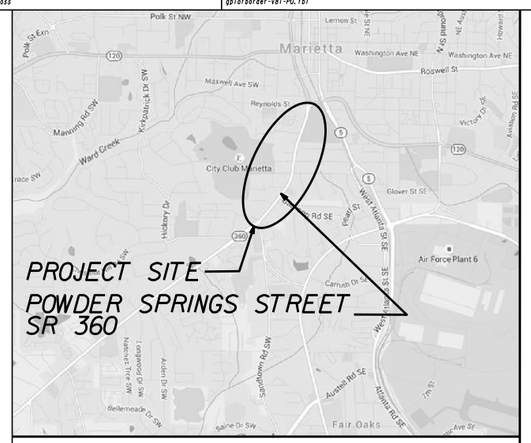
6/17/2021 WPbass	GPLOT-V8 gplotborder-v81-PD.tbl	64007_50-001.dgn GRWCOV	CITY MARIETTA	PROJECT NUMBER $PROJECTNUMBER$	TOTAL SHEETS SHT

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN
POWDER SPRINGS STREET/SR 360 IMPROVEMENTS
FROM SANDTOWN ROAD TO S. MARIETTA PKWY/SR 120

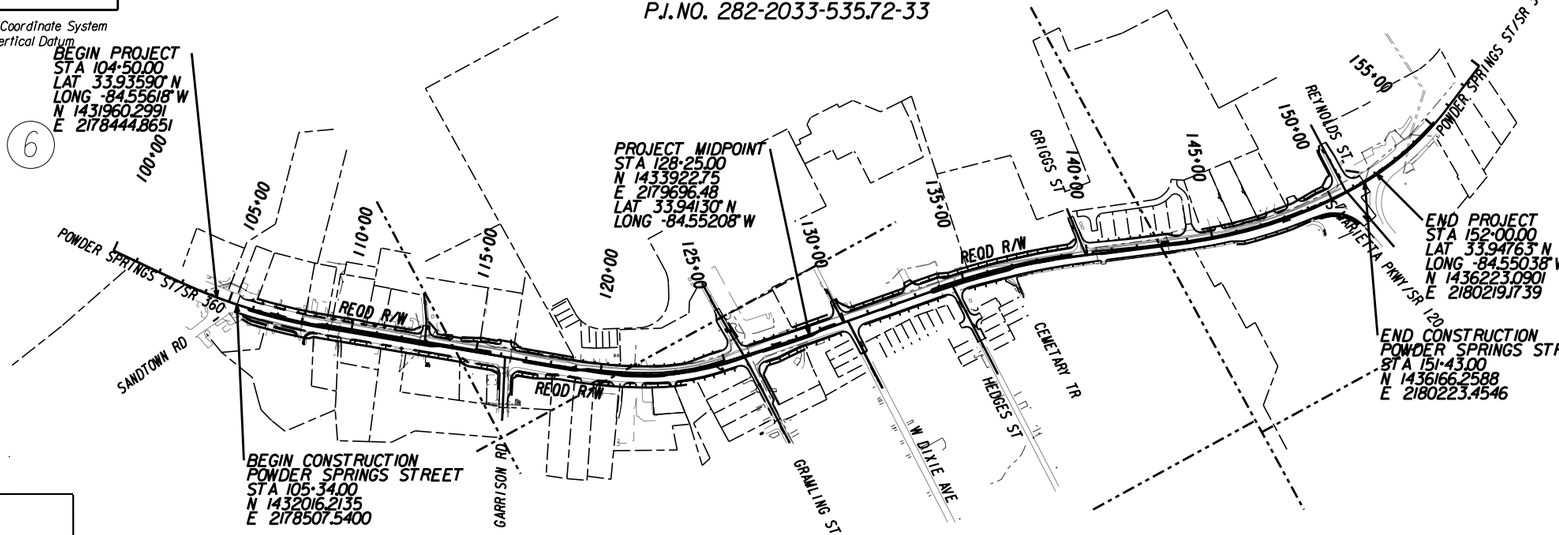
FEDERAL ROUTE * N/A
STATE ROUTE * 360
P.I. NO. 282-2033-535.72-33



VICINITY MAP NTS

This project has been prepared using the Horizontal Georgia Coordinate System of 1984 (NAD 1983)/94 East Zone, and the North American Vertical Datum (NAVD) of 1988.

BEGIN-POINT COORDINATES
Longitude: -84.55618° W
Latitude: 33.93590° N
MID-POINT COORDINATES
Longitude: -84.55208° W
Latitude: 33.94130° N
END-POINT COORDINATES
Longitude: -84.55038° W
Latitude: 33.94763° N



"I certify that this Erosion, Sedimentation and Pollution Control Plan has been prepared in accordance with Part IV. of the General NPDES Permit No. GAR100002."

(13) "I certify that the permittee's Erosion, Sedimentation and Pollution Control Plan provides for an appropriate and comprehensive system of best management practices required by the Georgia Water Quality Control Act and the document "Manual for Erosion and Sediment Control in Georgia" (Manual) published by the State Soil and Water Conservation Commission as of January 1 of the year in which the land disturbing activity was permitted, provides for sampling of the receiving water(s) or the sampling of the storm water outfalls and that the designed system of best management practices and sampling methods is expected to meet the requirements contained in the General NPDES Permit No. GAR100002."

(12) "I certify that the permittee's Erosion, Sedimentation and Pollution Control Plan provides for the monitoring of: (a) all perennial and intermittent streams and other water bodies shown on the USGS topographic map and all other field verified perennial and intermittent streams and other water bodies, or (b) where any such specific identified perennial or intermittent stream and other water body is not proposed to be sampled, I have determined in my professional judgment, utilizing the factors required in the General NPDES Permit No. GAR100002, that the increase in the turbidity of each specific identified sampled receiving water will be representative of the increase in the turbidity of a specific identified un-sampled receiving water."

(11) "I certify under penalty of law that this plan was prepared after a site visit to the location described herein by myself or my authorized agent, under my direct supervision."

(2) GSWCC LEVEL II CERTIFICATION * 0000070009

UNDER THE SUPERVISION OF

TSHIAMS KATALA, P.E.
LEVEL II CERTIFIED DESIGN PROFESSIONAL
GSWCC* 0000070009
EXPIRES: 12/06/2022

GEORGIA REGISTERED No. PE035456 PROFFESSIONAL ENGINEER TSHIAMALA KATALA

PLANS PREPARED BY:

ARCADIS Design & Consultancy for natural and built assets

PRIMARY PERMITTEE

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS
205 Lawrence St. Marietta, Georgia 30308
Phone: (770) 792-3958

(4)

(3) 24 HOUR CONTACT:

Richard Stokes
Name

Street Address

City, State Zip

404-886-2767
Phone Number

Email Address

Contractor shall complete the information in this box.

(37) SCALE IN FEET
0 300 600 1200

LENGTH OF PROJECT	MILES
NET LENGTH OF ROADWAY	0.900
NET LENGTH OF BRIDGES	0.000
NET LENGTH OF PROJECT	0.900
NET LENGTH OF EXCEPTIONS	0.000
GROSS LENGTH OF PROJECT	0.900

(7)

PLANS COMPLETED 04/02/2021
REVISIONS

DATE	ENTITY REQUESTING REVISION(S)	DRAWING NUMBER(S)	SIGNATURE	GSWCC LEVEL II CERT.*
06-18-2021	CITY OF MARIETTA	54-021, 54-029, 54-033, 54-041, 54-043, 54-045,	TSHIAMS KATALA, P.E.	0000070009
06-18-2021	CITY OF MARIETTA	54-053, 54-055, 54-057	TSHIAMS KATALA, P.E.	0000070009
- -				
- -				
- -				
- -				
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DRAWING No. 50-001

Georgia Soil and Water Conservation Commission
EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
INFRASTRUCTURE CONSTRUCTION PROJECTS

SWCD: Cobb County SWCD

Project Name: Powder Springs Street Improvement   Address: Powder Springs Rd.

City/County: Marietta/Cobb   Date on Plans: 04/02/2021

Name & email of person filling out checklist: Tshiams Katala Tshiams.Katala@Arcadis.com__________

Plan Page *	Included Y/N		TO BE SHOWN ON ES&PC PLAN
51-001	Y	1	The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted. (The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed)
50-001	Y	2	Level II certification number issued by the Commission, signature and seal of the certified design professional. (Signature, seal and Level II number must be on each sheet pertaining to ES&PC Plan or the Plan will not be reviewed)
50-001	Y	3	The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls.
50-001	Y	4	Provide the name, address, email address, and phone number of primary permittee.
53-001	Y	5	Note total and disturbed acreage of the project or phase under construction.
50-001	Y	6	Provide the GPS locations of the beginning and end of the infrastructure project. Give the Latitude and Longitude in decimal degrees.
50-001	Y	7	Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
51-002	Y	8	Description of the nature of construction activity and existing site conditions.
50-001	Y	9	Provide vicinity map showing site*s relation to surrounding areas. Include designation of specific phase, if necessary.
51-005	Y	10	Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.
50-001	Y	11	Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on Part IV page 21 of the permit.
50-001	Y	12	Design professional's certification statement and signature that the permittee*s ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on Part IV page 20 of the permit.*
50-001	Y	13	Design professional certification statement and signature that the permittee's ES&PC Plan provides for representative sampling as stated on Part IV.D.6.c.(3) page 37 of the permit as applicable.*
51-005	Y	14	Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of the initial sediment storage requirements, perimeter control BMPs, and sediment basins within 7 days after installation" in accordance with Part IV.A.5. page 26 of the permit. *
51-003	Y	15	Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of wrested vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits."
51-003	Y	16	Provide a description of any buffer encroachments and indicate whether a buffer variance is required.
51-002	Y	17	Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional."*
51-002	Y	18	Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a section 404 permit."*
51-002	Y	19	Clearly note statement that "The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to land disturbing activities."
51-002	Y	20	Clearly note statement that "Erosion control measures will be maintained at all times. If full implementation of the approved Plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source."
51-002	Y	21	Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."
51-003	Y	22	Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as, any portion of an Biota Impaired Stream Segment must comply with Part III. C. of the Permit. Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment.*
N/A	N	23	If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in item 22 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan.*
51-002	Y	24	BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited.*
51-002	Y	25	Provide BMPs for the remediation of all petroleum spills and leaks.
51-002	Y	26	Description of the measures that will be installed during the construction process to control pollutants in storm water that will occur after construction operations have been completed.*
51-002	Y	27	Description of practices to provide cover for building materials and building products on site.*
51-002	Y	28	Description of the practices that will be used to reduce the pollutants in storm water discharges.*
51-002	Y	29	Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization).
51-005	Y	30	Provide complete requirements of inspections and record keeping by the primary permittee.*
51-005	Y	31	Provide complete requirements of sampling frequency and reporting of sampling results.*
51-005	Y	32	Provide complete details for retention of records as per Part IV.F. of the permit.*
51-005	Y	33	Description of analytical methods to be used to collect and analyze the samples from each location.*
51-005	Y	34	Appendix B rationale for NTU values at all outfall sampling points where applicable.*
55-001	Y	35	Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged also provide a summary chart of the justification and analysis for the representative sampling as applicable.*
51-002	Y	36	A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the plan may combine all of the BMPs into a single phase.*
54 series	Y	37	Graphic scale and North arrow.
54 series	Y	38	Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following: Existing Contours — USGS 1": 2000' Topographical Sheets; Proposed Contours — 1" : 400' Centerline Profile
51-003	Y	39	Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by GAEPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gaswcc.georgia.gov.
N/A	N/A	40	Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition.*
54 series	Y	41	Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to State waters and any additional buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact.
54 series	Y	42	Delineation of on-site wetlands and all State waters located on and within 200 feet of the project site.
53-001	Y	43	Delineation and acreage of contributing drainage basins on the project site.
53-001, 55-001	Y	44	Delineate on-site drainage and off-site watersheds using USGS 1" :2000' topographical sheets.
53-001	Y	45	An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed.
54-003	Y	46	Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.
51-002	Y	47	Soil series for the project site and their delineation.
54 series	Y	48	The limits of disturbance for each phase of construction.
51-003	Y	49	Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the plan for each common drainage location in which a sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual must be included for structural BMPs and all calculations used by the design professional to obtain the required sediment storage when using equivalent controls. When discharging from sediment basins and impoundments, permittees are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasable, a written justification explaining this decision must be included in the plan.
54 series	Y	50	Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend.
56 series	Y	51	Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia.
51-002	Y	52	Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of year that seeding will take place and for the appropriate geographic region of Georgia.

*If using this checklist for a project that is less than 1 acre and not part of a common development but within 200 ft of a perennial stream the * checklist items would be N/A.   Effective January 1, 2021

(19) ESPCP GENERAL NOTES

The escape of sediment from the project site shall be prevented by the installation of erosion and sediment control measures and practices prior to land-disturbing activities.

(20) Erosion and sedimentation control measures will be maintained at all times. If full implementation of the approved plan does not provide for effective control, additional erosion and sedimentation control measures shall be implemented to control or treat the sediment source.

ESPCP ALTERATIONS

This Erosion, Sedimentation, and Pollution Control Plan (ESPCP) is provided by the Department. It addresses the staged construction of the project on the basis of common construction methods and techniques. If the Contractor elects to alter the staged construction from that shown in the plans or utilize construction techniques that render this plan ineffective, the Contractor shall revise the plans in accordance to Special Provision 161-Control of Soil Erosion and Sedimentation of the contract.

(17) The Contractor, the Certified Design Professional, and the WECS shall carefully evaluate this plan prior to commencing land-disturbing activities. Admendments/revisions to the ESPCP which have a significant effect on BMPs with a hydraulic component requires a formal revision of the ESPCP and the signature of a GSWCC Level-II Certified Design Professional. Additional BMPs may be added per Special Provision 161-Control of Soil Erosion and Sedimentation.

CONSTRUCTION SCHEDULE AND SEQUENCE OF MAJOR ACTIVITIES

(29) The Contractor is responsible for developing the construction schedule for the project. The construction schedule for this project shall be submitted after the project is awarded along with the NOI. A copy of the construction schedule shall be maintained at the project site.

The project budget includes sufficient funds for the payment of construction exits. The Contractor is responsible for establishing at least one (1) construction exit per the specifications of the construction exit detail included in this ESPCP to minimize or eliminate the vehicle tracking of dirt, soils, and sediments off site. To facilitate project logistics, the Contractor is also responsible for selecting the location(s) of the construction exits(s).

Project Description: Realignment of side roads and widening the existing roadway to allow for a landscapes raised median, a multi-use trail/sidewalk, lighting, and streetscape features.
Initial Stage: Work in this stage includes clearing and grubbing to the project limits as shown on the plans

(8) A) Initial BMPs: Install the following BMPs prior to construction:
a. No change
(26) b. Install SD2's as shown in Initial Stage Ia Plans
B) Intermediate BMPs: N/A
C) Final BMPs: N/A
(28) Intermediate Stage I: Work in this stage includes constructing pavement, new curb and gutter, sidewalk, walls, driveway, landscaping and drainage on the right hand side as shown on the plans.
A) Initial BMPs: Maintain/modify BMP's installed in previous stage until locations meet permanent stabilization
(36) B) Intermediate BMPs:
a. Install inlet sediment traps as shown in Intermediate Stage I plans
b. Install temporary grassing and mulch and dust control
C) Final BMPs: N/A
Intermediate Stage 2 : Work in this stage includes constructing pavement, new curb and gutter, sidewalk, walls, driveway, landscaping and drainage on the left hand side of the road as shown on the plans.
A) Initial BMPs: Maintain/modify BMP's installed in previous stage until locations meet permanent stabilization
B) Intermediate BMPs:
a. Install inlet sediment traps as shown in Intermediate Stage I plans
b. Install temporary grassing and mulch and dust control
C) Final BMPs: N/A
Intermediate Stage 3: Work in this stage includes constructing median as shown on the plans.
A) Initial BMPs: Maintain/modify BMP's installed in previous stage until locations meet permanent stabilization
B) Intermediate BMPs:
a. Install check dams as shown in Intermediate Stage 3 plans
b. All initial stage check dams not removed in Stage I will be removed and replaced as shown in ntermediate Stage 3 plans.
c. Temporary grassing and dust control as shown in Intermediate Stage 3 plans
C) Final BMPs: N/A
Final Stage: Work in this stage includes permanent grassing and stabilization
A) Initial BMPs: N /A
B) Intermediate BMPs: N/A
C) Final BMPs: Permanent grassing, sod, and slope stabilization as shown on the Final plans

The contractor is responsible for placing a minimum 4ft X 8ft sign within the project limits by the construction start date that shall be visible from the public roadway. The sign shall identify the construction site(s), the permittee(s), the contact person(s) and telephone number(s), and the permittee-hosted website where the Plan can be viewed. The permittee-hosted website where the plans can be viewed shall be provided on the submitted NOI. The sign shall remain on-site and the plans shall be available on the provided website until a NOT has been submitted.

(21) SITE STABLIZATION AND VEGETATION PLANTING SCHEDULE

(52) The EPD General NPDES GAR100002 permit states that any disturbed area where construction activities have temporarily or permanently ceased shall be stabilized within 14 days of such cessation or as soon as practicable if precluded by adverse weather conditions. However in special cases, the Project Engineer may require the contractor to perform stabilization more often than 14 days.

Disturbed areas shall be stabilized with suitable material listed in the current edition of the Department's Standard Specifications (or Special Provisions) Sections 161, 163, 700, or 711 on the basis of when construction activities are expected to resume.

All temporary and permanent vegetative practices including plant species, planting dates, seeding, fertilizing, liming, and mulching rates for this project can be found in Section 700 of the current edition of the Department's Standard Specifications (or Special Provisions) and other applicable contract documents or landscaping plans.

BMP INSTALLATION AND MAINTENANCE MEASURES

See the Department's Standard Specifications (or Special Provisions) 161, 163, 165, 700, 711, and other contract documents for installation and maintenance measures.

(25) PETROLEUM STORAGE, SPILLS AND LEAKS

These plans expressly delegate the responsibility of proper on-site hazardous material management to the Contractor. The Contractor shall at a minimum provide an action plan and keep the necessary materials on site for the capture, clean up, and disposal of any petroleum product, or other hazardous material, leaks or spills associated with the servicing, refueling or operation of any equipment utilized at the site. A copy of the action plan shall be submitted to the Project Engineer and maintained on the project site. All personnel operating or servicing equipment shall be familiar with the action plan. The Contractor shall not park, refuel, or maintain equipment within stream buffers.

If the Contractor elects to store petroleum products on site, the Contractor shall prepare an ESPCP addendum that addresses the additional BMPs needed for onsite storage and spill prevention for petroleum products. This plan shall be prepared by a Certified Design Professional as required by GAR100002 for inclusion with these plans. The Contractor's attention is specifically directed to Standard Specification 107-Legal Regulations and Responsibility to the public for additional requirements.

(18) WASTE DISPOSAL

Where attainable, locate waste collection areas, dumpsters, trash cans and portable toilets at least 50 feet away from streets, gutters, watercourses and storm drains. Secondary containment shall be provided around liquid waste collection areas to minimize the likelihood of contaminated discharges. The Contractor shall comply with applicable state and local waste storage and disposal regulations and obtain all necessary permits. Solid materials, including building materials, shall not be discharged to Waters of the State, unless authorized by a Section 404 Permit.

DEWATERING AND PUMPING ACTIVITIES

Any pumped discharge from an excavation or disturbed area shall be routed through an appropriately sized sediment basin, silt filter bag, or shall be treated equivalently with suitable BMP's. The contractor shall ensure the post BMP treated discharge is sheet flowing. Failure to create sheet flow will obligate the contractor to perform water quality sampling of pumped discharges. The contractor shall prepare sampling plans in accordance with the current GAR100002 NPDES permit by utilizing a Certified Design Professional. No separate payment will be made for water quality sampling of pump discharges.

NONSTORMWATER DISCHARGES

Nonstormwater discharges defined in Part III.A.2 of the NPDES Permit will be identified after construction has commenced. These discharges shall be subject to the same requirements as storm water discharges required by the Georgia Erosion and Sedimentation Control Act, the NPDES Permit, the Clean Water Act, the Manual for Erosion and Sediment Control in Georgia, Department Standards, and other contract documents. The NPDES does not authorize the discharge of soaps or solvents used in vehicle and equipment washing or the discharge of wastewater containing stucco, paint, oils, curing compounds, and other construction materials.

(24) READY MIX CHUTE WASH DOWN

The washing of ready-mix concrete drums and dump truck bodies used in the delivery of Portland cement concrete is prohibited on this site.

In accordance with Standard Specification 107: Legal Regulations and Responsibility to the Public, only the discharge chute utilized in the delivery of Portland cement concrete may be rinsed free of fresh concrete remains. The Contractor shall excavate a pit outside of State water buffers, at least 25 feet from any storm drain and outside of the travelled way, including shoulders, for a wash-down pit. The pit shall be large enough to store all wash-down water without overtopping. Immediately after the wash-down operations are completed and after the wash-down water has soaked into the ground, the pit shall be filled in, and the ground above it shall be graded to match the elevation of the surrounding areas. Alternate wash-down plans must be approved by the Project Engineer.

Wash-down plans describe procedures that prevent wash-down water from entering streams and rivers. Never dispose of wash-down water down a storm drain. Establish a wash-down pit that includes the following: (1) a location away from any storm drain, stream, or river, (2) access to the vehicle being used for wash down, (3) sufficient volume for wash-down water, and (4) permission to use the area for wash down.

On sites where permission or access to excavate a wash-down pit is unavailable, the Contractor may have to wash-down into a sealable 55-gallon drum or other suitable container and then transport the container to a proper disposal site. For additional information, refer to the Georgia Small Business Environmental Assistance Program's "A Guide for Ready Mix Chute/Hopper Wash-down".

(27) OTHER CONTROLS

If the Contractor elects to store building material, building products, construction waste, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste, and other materials on the site, the Contractor shall provide an appropriate covering to minimize the exposure of those materials or products to precipitation and stormwater to minimize the discharge of pollutants. Minimization of exposure is not required in cases where exposure to precipitation and to stormwater will not result in a discharge of pollutants, or where exposure of the specific material or product poses little risk to stormwater contamination or is intended for outdoor use.

The Contractor shall follow this ESPCP and ensure and demonstrate compliance with all applicable State and/or local regulations for waste disposal, sanitary sewer and septic systems, and petroleum storage.

The Contractor shall control dust from the site in accordance with Section 161 of the current edition of the Department's Standard Specifications.

POSTCONSTRUCTION BMPs FOR STORMWATER MANAGEMENT

All permanent postconstruction BMPs are shown in the construction plans and in the ESPCP plan. The postconstruction BMPs for this project consist of detention ponds, bioretention basins, sand filter basins, bioslopes, enhanced dry/wet swales, vegetated swales/ditches, vegetation, permanent slope drains and/or flumes, riprap at pipe outlets for velocity dissipation and outlet stabilization, channel/ditch stabilization with turf reinforcing mats, slope stabilization matting, riprap and concrete ditch lining where necessary. The postconstruction BMPs will provide permanent stabilization of the site and prevent abnormal transportation of sediment and pollutants into receiving waters.

Silt fence should never be run continuously. The silt fence should turn back into fill or slope to create small pockets that trap silt and force stormwater to flow through the silt fence. This technique is called using J hooks (or spurs). The J hooks shall be utilized on all silt fences that are located around the perimeter of the prokect and along the toe of embankments or slopes. The J hooks shall be spaced in accordance with GDOT Construction Detail D-24C. The maximum J hook spacing is reached when the top of the J hook is at the same elevation as the bottome of the immediately upgradient J hook. J Hooks shall be paid for as silt fence items per linear foot. All costs and other incidental items are included in cost of installing and maintaining the silt fence.

(47) SOIL SERIES INFORMATION

Due to the size and scope of this project and the nature of soil series maps. It is not reasonably practical to delineate the precise locations of the above listed soils on the construction plans. The NRCS soil survey and soil series maps for the project site are also available online at http://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm.

SILT FENCE INSTALLATION WITH J HOOKS AND SPURS

Silt fence should never be run continuously. The silt fence should turn back into the fill or slope to create small pockets that trap silt and force stormwater to flow through the silt fence. This technique is called using J hooks (or spurs). The J hooks shall be utilized on all silt fences that are located around the perimeter of the project and along the toe of embankments or slopes. The J hooks shall be spaced in accordance with GDOT Construction Detail D-24C. The maximum J-hook spacing is reached when the top of the J hook is at the same elevation as the bottom of the immediately upgradient J hook. J Hooks shall be paid for as silt fence items per linear foot. All costs and other incidental items are included in cost of installing and maintaining the silt fence.

10/23/2015
Rev.08/01/2018 GPLN

ARCADIS Design & Consultancy for natural and built assets

NTS

REVISION DATES

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

ESPCP GENERAL NOTES

POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 51-002

SEDIMENT STORAGE

(49) **The site has a total disturbed area of 13.31 acres.** The following table summarizes the required and available sediment storage for every outfall on this project. The Contractor shall provide and maintain the storage volumes for the BMP's specified in this table.

OUTFALL ID	OUTLET LOCATION		STRUCTURE INFO		ALIGNMENT	TOTAL DRAINAGE AREA (acres)	DISTURBED AREA (acres)	REQUIRED SEDIMENT STORAGE VOLUME (cu.yd)	TOTAL STORAGE VOLUME PROVIDED (cu.yd)	SEDIMENT BASINS		CHECK DAM		INLET SEDIMENT TRAPS (4.0 yd³/each)		SILT FENCE (0.3 yd³/ft)		RECEIVING WATERS
	END STATION	OFFSET	STRUCTURE #	SIZE						POND #	TOTAL VOLUME (yd³)	# OF DEVICES	TOTAL VOLUME (yd³)	# OF DEVICES	TOTAL VOLUME (yd³)	LENGTH (ft)	TOTAL VOLUME (yd³)	
Outfall 1	104+84	73' LT	N/A	24" RCP	Powder Springs	2.52	0.26	168.84	0.00	0	0.00	0	0.00	0	0.00	0.0	0.00	Olley Creek
Outfall 2	109+53	35' RT	N/A	42" RCP	Powder Springs	9.39	0.80	629.13	144.42	0	0.00	0	0.00	18	72.00	241.4	72.42	Olley Creek
Outfall 3	112+74	39' RT	N/A	24" RCP	Powder Springs	4.32	0.90	289.44	160.52	0	0.00	0	0.00	24	96.00	215.1	64.52	Olley Creek
Outfall 4	21+87	19' RT	N/A	30" RCP	Garrison Rd	11.22	3.44	751.74	246.89	0	0.00	0	0.00	50	200.00	156.3	46.89	Olley Creek
Outfall 5	34+50	14' RT	E-6	18" RCP	Gramling St	6.06	1.78	406.02	146.87	0	0.00	0	0.00	21	84.00	209.6	62.87	Olley Creek
Outfall 6	136+64	36' RT	F-17	24" RCP	Powder Springs	6.6	0.96	442.20	137.61	0	0.00	0	0.00	23	92.00	152.0	45.61	Olley Creek
Outfall 7	64+26	20' RT	N/A	N/A	West Dixie Ave	0.42	0.32	28.14	4.00	0	0.00	0	0.00	1	4.00	0.0	0.00	Olley Creek
Outfall 9	73+50	14' LT	N/A	N/A	Hedges St	0.6	0.25	40.20	82.97	0	0.00	0	0.00	0	0.00	276.6	82.97	Olley Creek
Outfall 10	143+17	43' LT	G-14	18" RCP	Powder Springs	3.67	1.62	245.89	248.38	0	0.00	0	0.00	12	48.00	667.9	200.38	Ward Creek
Outfall 11	154+07	32' LT	H-9	24" RCP	Powder Springs	8.53	1.90	571.51	231.75	0	0.00	0	0.00	21	84.00	492.5	147.75	Ward Creek
Outfall 12	312+00	40' RT	N/A	18" RCP	S Marietta Pkwy	4.62	0.22	309.54	85.44	0	0.00	0	0.00	2	8.00	258.1	77.44	Ward Creek
Sheet Flow	N/A	N/A	N/A	N/A	Powder Springs	0.86	0.86	57.62	722.59	0	0.00	0	0.00	0	0.00	2408.6	722.59	Olley Creek
Outfall Sediment Totals						**58.81**	**13.31**	**3,940.27**	**2,211.44**	**0**	**0.00**	**0**	**0.00**	**172**	**688.00**	**5,078.1**	**1,523.44**	

Outfall 1: Outfall 1 is located on the left side of Powder Springs Rd. at station 104+84. This outfall discharges into Olley Creek outside of the right-of-way. A sediment basin will not be constructed in this outfall. This outfall has a total drainage area of 2.52 acres but only contains 0.26 disturbed acres. A total of 0 cubic yards of sediment storage is being provided. The BMP's shown on this plan sheet will be sufficient to control the escape of sediment from the site.

Outfall 2: Outfall 2 is located on the right side of Powder Springs Rd. at station 109+53. This outfall discharges into Olley Creek outside of the right-of-way. A sediment basin will not be constructed in this outfall. This outfall has a total drainage area of 9.39 acres but only contains 0.80 disturbed acres. A total of 144.42 cubic yards of sediment storage is being provided. The BMP's shown on this plan sheet will be sufficient to control the escape of sediment from the site.

Outfall 3: Outfall 3 is located on the right side of Powder Springs Rd. at station 112+74. This outfall discharges into Olley Creek outside of the right-of-way. A sediment basin will not be constructed in this outfall. This outfall has a total drainage area of 4.32 acres but only contains 0.90 disturbed acres. A total of 160.52 cubic yards of sediment storage is being provided. The BMP's shown on this plan sheet will be sufficient to control the escape of sediment from the site.

Outfall 4: Outfall 4 is located on the left side of Garrison Rd. at station 21+58. This outfall discharges into Olley Creek outside of the right-of-way. A sediment basin will not be constructed in this outfall. This outfall has a total drainage area of 11.22 acres but only contains 3.44 disturbed acres. A total of 246.89 cubic yards of sediment storage is being provided. The BMP's shown on this plan sheet will be sufficient to control the escape of sediment from the site.

Outfall 5: Outfall 5 is located on the right side of Gramling St. at station 34+50. This outfall discharges into Olley Creek outside of the right-of-way. A sediment basin will not be constructed in this outfall. This outfall has a total drainage area of 6.06 acres but only contains 1.78 disturbed acres. A total of 146.87 cubic yards of sediment storage is being provided. The BMP's shown on this plan sheet will be sufficient to control the escape of sediment from the site.

Outfall 6: Outfall 6 is located on the right side of Powder Springs Rd. at station 136+64. This outfall discharges into Olley Creek outside of the right-of-way. A sediment basin will not be constructed in this outfall. This outfall has a total drainage area of 6.60 acres but only contains 0.96 disturbed acres. A total of 137.61 cubic yards of sediment storage is being provided. The BMP's shown on this plan sheet will be sufficient to control the escape of sediment from the site.

Outfall 7: Outfall 7 is located on the right side of West Dixie Ave. at station 64+26. This outfall discharges into Olley Creek outside of the right-of-way. A sediment basin will not be constructed in this outfall. This outfall has a total drainage area of 0.42 acres but only contains 0.32 disturbed acres. A total of 4 cubic yards of sediment storage is being provided. The BMP's shown on this plan sheet will be sufficient to control the escape of sediment from the site.

Outfall 11: Outfall 11 is located on the left side of Powder Springs Rd. at station 154+07. This outfall discharges into Ward Creek outside of the right-of-way. A sediment basin will not be constructed in this outfall. This outfall has a total drainage area of 8.53 acres but only contains 1.90 disturbed acres. A total of 231.75 cubic yards of sediment storage is being provided. The BMP's shown on this plan sheet will be sufficient to control the escape of sediment from the site.

Outfall 12: Outfall 12 is located on the right side of S Marietta Pkwy. at station 312+00. This outfall discharges into Olley Creek outside of the right-of-way. A sediment basin will not be constructed in this outfall. This outfall has a total drainage area of 4.62 acres but only contains 0.22 disturbed acres. A total of 85.44 cubic yards of sediment storage is being provided. The BMP's shown on this plan sheet will be sufficient to control the escape of sediment from the site.

To prevent runoff from bypassing inlet sediment traps, a temporary sump shall be installed around all inlet sediment traps that are not located in a low point or an excavated sump. Construct temporary sumps in accordance with Construction Detail D-24C. Temporary sumps shall be installed in a manner that ensures stormwater does not bypass the inlet. The Contractor may submit alternate temporary containment berm designs to the Project Engineer for approval.

10/23/2015
Rev.08/01/2018 GPLN

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DRAWING No. 51-003

COUNTY	CITY	PROJECT NUMBER
COBB	MARIETTA	282-2033-535.72-33

(39) USE OF ALTERNATIVE AND/OR ADDITIONAL BMPS:

No alternative or additional BMPs will be used on this project.

(15) STATE-WATER BUFFER IMPACTS

State-water buffers, as defined by O.C.G.A. 12-7-1, are not impacted by this project.

(16) Non-exempt activities shall not be conducted within the 25- or 50-foot undisturbed stream buffers as measured from the point wrested vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits.

(46) RIPRAP OUTLET PROTECTION

Due to the nature of this project, riprap outlet protection will not be utilized.

(22) DISCHARGES INTO OR WITHIN ONE LINEAR MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED AS ANY PORTION OF A BIOTA IMPAIRED STREAM SEGMENT

The following is a summary of project outfalls within 1 mile and within the watershed of an identified impaired stream segment that has been listed for criteria violated, "Bio F" (impaired fish community) and/or "Bio M" (impaired macro invertebrate community), within Category 4a, 4b or 5, and the potential cause is either "NP" (nonpoint source) or "UR" (urban runoff).

Outfall ID # and Location (Station and Offset)	Reach Name	Location of the Impaired Stream Segment as Indicated in the 305b/303d List	Criteria Violated (Bio F|Bio M)	Potential Cause (NP|UR)	Category (4a, 4b, or 5)	Numeric waste load allocation (WLA) for sediment*
Outfall 1 STA 104+84 73' LT	Olley Creek	Headwaters to Sweetwater Creek	Bio M	UR	4a-5	2843 tons/yr
Outfall 2 STA 109+53 35' RT	Olley Creek	Headwaters to Sweetwater Creek	Bio M	UR	4a-5	2843 tons/yr
Outfall 3 STA 112+74 39' RT	Olley Creek	Headwaters to Sweetwater Creek	Bio M	UR	4a-5	2843 tons/yr
Outfall 4 STA 21+87 19' RT	Olley Creek	Headwaters to Sweetwater Creek	Bio M	UR	4a-5	2843 tons/yr
Outfall 5 STA 34+50 14' RT	Olley Creek	Headwaters to Sweetwater Creek	Bio M	UR	4a-5	2843 tons/yr
Outfall 6 STA 136+64 36' RT	Olley Creek	Headwaters to Sweetwater Creek	Bio M	UR	4a-5	2843 tons/yr
Outfall 7 STA 64+26 20' RT	Olley Creek	Headwaters to Sweetwater Creek	Bio M	UR	4a-5	2843 tons/yr
Outfall 9 STA 73+50 14' LT	Olley Creek	Headwaters to Sweetwater Creek	Bio M	UR	4a-5	2843 tons/yr
Outfall 10 143+17 43' LT	Ward Creek	Headwaters to Noses Creek	Bio F	UR	4a	N/A
Outfall 11 154+07 32' LT	Ward Creek	Headwaters to Noses Creek	Bio F	UR	4a	N/A
Outfall 12 312+00 40' RT	Ward Creek	Headwaters to Noses Creek	Bio F	UR	4a	N/A

* If the TMDL Implementation Plan establishes a specific numeric waste load allocation that applies to the project discharge(s) to the impaired Stream Segment, then the Certified Design Professional must incorporate that allocation into the Erosion, Sedimentation and Pollution Control Plan and implement all necessary measures to meet that allocation. See Appendix I for additional required BMPs for this project.

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DRAWING No. 51-004

10 SAMPLING LOCATIONS AND GENERAL NOTES

Representative sampling may be utilized on this project as explained here. The individual outfall drainage basins along the project corridor have been carefully evaluated and compared on the basis of four characteristics: the type of construction activity, the disturbed acreage, the average slope about the outfall, and the soil erosion index 0-10, 10 being the most erodible soil. The construction activity types are new road on fill, new road in cut, road widening, and maintenance/safety. The disturbed area classes are less than or equal to 1 acre, greater than 1 acre to less than 2 acres, and equal to or greater than 2 acres. The average outfall slope is mild if it is equal to or less than 0.03, and steep if it is greater than 0.03. The soil erosion index is low if it is less than or equal to 5 and high if it is greater than 5. After evaluation of these characteristics as presented in the project's drainage area map, hydrology and hydraulic studies, construction plans, geotechnical soil survey, and erosion sedimentation and pollution control plans, the Department has determined that the representative sampling scheme shown below is valid for the duration of the project. The table shows the groups of similar outfall drainage basins.

The increase in turbidity at the specified locations in the table below will be representative of the alternate outfall drainage basins when similar outfall drainage basins exist. Approved primary and alternate representative sampled features are identified in the table below.

Note: The Total site area is 17.57 acres.											Representative Sampling Scheme				
SAMPLING INFORMATION											OUTFALL CHARACTERISTICS				
Primary Monitored Feature	Location (Station and Offset)	Name of Receiving Water	Applicable Construction Stage for Sampling	Sampling Type (Outfall or Receiving Water)	Drainage Area for Receiving Water (mi^2)	Upstream Disturbed Area (acres)	Warm or Cold Water Stream	Appendix B NTU Value (Outfall sampling only)	Allowable NTU Increase (Receiving Water Sampling Only)	Location Description	Construction Activity	Disturbed Area (acres)	Average Outfall Slope (Rise/Run)	Soil Erosion Index	Represented Outfall Drainage Basins
Outfall 1	104+84, 73' LT	Olley Creek	ALL	OUTFALL	0.004	0.26	Warm	50	N/A	24" RCP	Road	0.26	0.032	5	3,7,9,12
Outfall 2	109+53, 35' RT	Olley Creek	ALL	OUTFALL	0.015	0.80	Warm	100	N/A	42" RCP	Road	0.8	0.005	5	6
Outfall 4	21+87, 19' RT	Olley Creek	ALL	OUTFALL	0.018	3.44	Warm	200	N/A	30" RCP	Road	3.44	0.038	5	N/A
Outfall 5	34+50, 14' RT	Olley Creek	ALL	OUTFALL	0.009	1.78	Warm	100	N/A	18" RCP	Road	1.78	0.086	5	10
Outfall 11	154+07, 32' LT	Ward Creek	ALL	OUTFALL	0.013	1.90	Warm	50	N/A	24" RCP	Road	1.9	0.017	5	N/A

The primary sampled features specified should be used as the initial sampling locations. An alternate sampled feature may be used if additional sampling is required or to replace a primary sampled feature that is no longer located within the active phase of construction.

14 INSPECTIONS AND REPORTING

As the primary permittee, the Department must retain the design professional who prepared the ESPCP, or an alternative design professional approved by EPD in writing, to inspect the installation of the initial sediment storage requirements and perimeter control BMPs within 7 days of installation over the entire infrastructure project. Alternatively, for linear infrastructure projects, the permittee must retain either of these personnel to inspect the initial sediment storage requirements and perimeter control BMPs for the initial segment, as defined by Part IV.A.5. of the current GAR100002 Permit, within 7 days of installation and all sediment basins within the entire linear infrastructure project within 7 days of installation. The inspecting design professional shall report the results to the primary permittee within 7 days, and the permittee must correct all deficiencies within 2 business days of receipt of the inspection report, unless on-site weather conditions are such that more time is required. Additionally, the Department's Construction Project Engineer will be responsible for all subsequent 7 day inspections for all new BMP installations.

All other inspections shall be documented on the appropriate Department inspection forms. See Standard Specification (or Special Provision) 167 and other contract documents for inspection and reporting requirements. These inspections shall continue until the Notice of Termination (NOT) is submitted.

Whenever the Department finds that a BMP has failed or is deficient beyond routine maintenance and has resulted in sediment deposition into waters of the State, the Contractor shall take reasonable steps to address the condition, including cleaning up any contaminated surfaces so the material will not discharge in subsequent storm events. When the repair does not require a new or replacement BMP or significant repair, the BMP failure or deficiency must be corrected by the close of the next business day from the time of discovery. A repair requiring a new or replacement BMP or significant repair must be operational by no later than 7 days from the time of discovery. If the repair time within 7 days is infeasible, the Contractor and the Department shall schedule the BMP repair to be operational as soon as practical after the 7 day time frame.

Failure to perform inspections as required by the contract documents and the NPDES permit shall result in the cessation of all construction activities with the exception of Traffic Control and Erosion Control. Continued failure to perform inspections shall result in non-refundable deductions as specified in the contract documents.

31 WATER QUALITY INSPECTING AND SAMPLING PROCEDURES

33 See Special Provision 167 and other contract documents for the inspecting and sampling procedures. Sampling locations are provided in the Sampling Location table herein.

RETENTION OF RECORDS

32 The Department will retain all records related to the implementation of this ESPCP in accordance with Part IV.F of the General Permit GAR100002.

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DRAWING No. 51-005

APPENDIX I

THE ES&PC PLAN MUST INCLUDE AT LEAST FOUR (4) OF THE FOLLOWING BMPS FOR THOSE AREAS OF THE SITE WHICH DISCHARGE TO A IMPAIRED STREAM SEGMENT AND FOR SITES WHICH EPD HAS APPROVED IN WRITING A REQUEST TO DISTURB 50 ACRES OR MORE AT ANY ONE TIME.

The four items chosen must be appropriate for the site conditions.

Plan Page *	Included Y/N	
		a. During construction activities, double the width of the 25 foot undisturbed vegetated buffer along all State waters requiring a buffer and the 50 foot undisturbed vegetated buffer along all State waters classified as "trout streams" requiring a buffer. During construction activities, EPD will not grant variances to any such buffers that are increased in width.
		b. Increase all temporary sediment basins and retrofitted storm water management basins to provide sediment storage of at least 3600 cubic feet (134 cubic yards) per acre drained.
		c. Use baffles in all temporary sediment basins and retrofitted storm water management basins to at least double the conventional flow path length to the outlet structure.
51-002	Y	d. A large sign (minimum 4 feet x 8 feet) must posted on site by the actual start date of construction. The sign must be visible from a public roadway. The sign must identify the following: (1) the construction site, (2) the permittee(s), (3) the contact person(s) and telephone number(s), and (4) the permittee-hosted website where the Plan can be viewed. The permittee-hosted website where Plan can be viewed must be provided on the submitted NOI. The sign must remain on site and the Plan must be available on the provided website until a NOT has been submitted.
		e. Use flocculants or coagulant and/or mulch to stabilize all areas left disturbed for more than seven (7) calendar days in accordance with Part III. D.1. of the NPDES Permit.
51-004	Y	f. Conduct turbidity sampling after every rain event of 0.5 inch or greater within any 24 hour period, recognizing the exceptions specified in Part IV.D.6.d. of the NPDES Permits.
		g. Comply with the applicable end-of-pipe turbidity effluent limit, without the "BMP defense" as provided for in O.C.G.A. 12-7-6 (a)(1).
		h. Reduce the total planned site disturbance to less than 50% impervious surfaces (excluding any State-mandated buffer areas from such calculations). All calculations must be included on the plan.
		i. Limit the amount of disturbed area at any one time to no greater than 25 acres or 50% of the total planned is less. All calculations must be included on the plan.
		j. Use "Dirt II" techniques available on the EPD website to model and manage construction stormwater runoff (including sheet flow). All calculations must be included on the Plan. (https://epd.georgia.gov/erosion-and-sedimentation)
		k. Add appropriate organic soil amendments (e.g., compost) and conduct pre- and post-construction soil sampling to a depth of six (6) inches to document improved levels of soil carbon after final stabilization of the construction site.
		l. Use mulch filter berms, in addition to a silt fence, on the site perimeter wherever construction storm water (including sheet flow) may be discharged. Mulch filter berms cannot be placed in waterways or areas of concentrated flow.
51-003	Y	m. Use appropriate erosion control slope stabilization instead of concrete in all construction storm water ditches and storm drainages designed for a 25 year, 24 hour rainfall event.
		n. Use flocculants or coagulants under a passive dosing method (e.g., flocculant blocks) within construction storm-water ditches and storm drainages that feed into temporary sediment basins and retrofitted management basins.
		o. Install sod for a minimum 20 foot width (in lieu of seeding) after final grade has been achieved, along the site perimeter wherever storm water (including sheet flow) may be discharged.
		p. Conduct soil tests to identify and to implement site-specific fertilizer needs.
51-004	Y	q. Certified personnel for primary permittees shall conduct inspections at least once every seven (7) calendar days and within 24 hours of the end of the storm that is 0.5 inches rainfall or greater in accordance with Section IV.D.4.a.(3)(a) - (c); secondary permittees, Section IV.D.4.b.(3)(a) - (c); and tertiary permittees Section IV.D.4.c.(3)(a) - (c)*
		r. Apply the appropriate compost blankets (minimum depth 1.5 inches) to protect soil surfaces until vegetation is established during the final stabilization phase of the construction activity.
		s. Use alternative BMPs whose performance has been documented to be superior to conventional BMPs as certified by a Design Professional (unless disapproved by EPD or the Georgia Soil and Water Conservation Commission). (If using this item please refer to the Alternative BMP guidance document found at www.gaswcc.georgia.gov)
		t. Limit the total planned site disturbance to less than 15% impervious surfaces (excluding any state mandated buffer areas from such calculations). All calculations must be included in the plan.
		u. Conduct inspections during the intermediate grading and drainage BMP phase and during the final BMP phase of the project by the Design Professional who prepared the Plan in accordance with Part IV.A.5. of the NPDES permit. The Plan must include a statement that the primary permittee must retain the design professional who prepared the Plan to conduct inspections during the intermediate grading and drainage BMP phase and during the final BMP phase.
		v. Install Post Construction BMPs (e.g., runoff reduction BMPs) which remove 80% TSS as outlined in the Georgia Stormwater Management Manual known as the Blue Book or an equivalent or more stringent design manual.

Effective January 1, 2021

* This requirement is different for infrastructure projects:
Certified personnel for primary permittees shall conduct inspections at least once every seven (7) calendar days and within 24 hours of the end of the storm that is 0.5 inches rainfall or greater in accordance with Section IV.D.4.a.(3)(a) - (c) of this permit.

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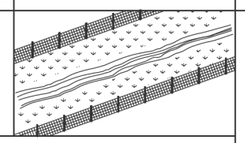
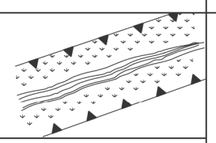
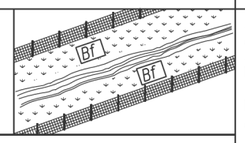
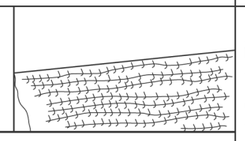
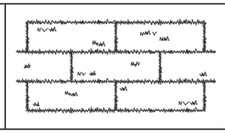
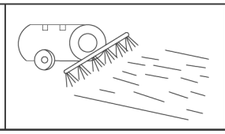
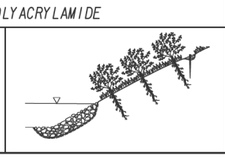
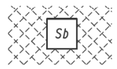
DRAWING No. 51-006

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
	ORANGE BARRIER FENCE		ORANGE BARRIER FENCE DELINEATES ENVIRONMENTALLY SENSITIVE AREAS WHERE THE CONTRACTOR SHALL NOT CLEAR, GRUB, OR PLACE CONSTRUCTION MATERIALS OR EQUIPMENT WITHIN THIS AREA.
	LINE CODE	 ORANGE BARRIER FENCE	
ESA	ENVIRONMENTALLY SENSITIVE AREA		AN ENVIRONMENTALLY SENSITIVE AREA (ESA) CONTAINS RESOURCES THAT ARE ENVIRONMENTALLY, CULTURALLY, OR HISTORICALLY SENSITIVE. ESAs INCLUDE, BUT ARE NOT LIMITED TO: STATE WATER BUFFERS, HISTORIC SITES, ARCHAEOLOGICAL SITES, AND PROTECTED ANIMAL AND PLANT SPECIES HABITATS. IF WORK IS AUTHORIZED IN THIS AREA, THE WORK MUST BE PERFORMED IN ACCORDANCE WITH SECTION 107 AND ANY OTHER APPLICABLE SPECIAL PROVISIONS AND APPLICABLE PLAN NOTES.
	LINE CODE	ESA-25'(OR 50')STREAM BUFFER, ETC.	
Bf	BUFFER ZONE		A STRIP OF UNDISTURBED ORIGINAL VEGETATION, ENHANCED OR RESTORED EXISTING VEGETATION, OR THE RE-ESTABLISHMENT OF VEGETATION SURROUNDING AN AREA OF DISTURBANCE OR BORDERING STREAMS, PONDS, WETLANDS, LAKES, AND COASTAL WATERS. WHEN NECESSARY, BUFFER ZONES ARE TO BE PROTECTED BY ORANGE BARRIER FENCE.
	SYMBOL	Bf	
Ds1	MULCH SECTION 163		THIS IS AN APPLICATION OF STRAW MULCH USED TO REDUCE SOIL EROSION AND STABILIZE THE SOIL. IT IS USED TO CONTROL EROSION IN AREAS WHERE PERMANENT VEGETATION IS OUT OF SEASON OR TO TEMPORARILY STABILIZE AREAS PRIOR TO FINAL GRADING. MULCHING REQUIREMENTS ARE ADDRESSED BY STANDARD SPECIFICATIONS AND/OR THE PROJECT ENGINEER. THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
	SYMBOL	Ds1	
Ds2	TEMPORARY GRASSING SECTION 163,700		THE SOWING OF A QUICK GROWING SPECIES OF GRASS SUITABLE TO THE AREA AND SEASON. IT IS TYPICALLY USED TO CONTROL EROSION IN AREAS LONGER THAN MULCHING IS EXPECTED TO LAST. TEMPORARY GRASSING SHOULD BE USED ON ALL PROJECTS ACCORDING TO THE STANDARD SPECIFICATIONS. THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
	SYMBOL	Ds2	

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ds3	PERMANENT GRASSING SECTION 700		THE SOWING OF PERMANENT VEGETATION, SUCH AS GRASS, SUITABLE TO THE AREA AND SEASON. PERMANENT VEGETATION SHALL BE USED ON ALL PROJECTS ACCORDING TO THE STANDARD SPECIFICATION. THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
	SYMBOL	Ds3	
Ds4	SODDING CONSTRUCTION DETAIL D-54 SECTION 700,890		THE INSTALLATION OF A SPECIES OF GRASS SODDING SUITABLE TO THE AREA AND SEASON TO PROVIDE IMMEDIATE PERMANENT VEGETATION. SODDING MAY BE SHOWN FOR HIGHLY SENSITIVE AREAS, TO IMPROVE AESTHETICS, OR FOR SPECIAL PLANTING REQUIREMENTS ON THE BASIS OF ENVIRONMENTAL COMMITMENTS OR LANDSCAPING REQUIREMENTS. THE BMP PATTERN FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
	PATTERN		
Fl-Co	FLOCCULANTS COAGULANTS SECTION 163,700, 895		FLOCCULANTS AND COAGULANTS ARE USED TO SETTLE SUSPENDED SEDIMENT, HEAVY METALS, AND HYDROCARBONS (TSS) IN SLOW MOVING RUNOFF FROM CONSTRUCTION SITES FOR WATER CLARIFICATION. ANIONIC POLYACRYLAMIDES (PAM) MAY BE USED IN CONJUNCTION WITH BMPs WITHIN CHANNELS UPSTREAM OF A POST-CONSTRUCTION POND, TEMPORARY SEDIMENT BASIN, OR TEMPORARY SEDIMENT TRAP. FLOCCULANTS SHALL NOT BE USED DOWNSTREAM OF AFOREMENTIONED BMPs! FLOCCULANTS/COAGULANTS ARE TO BE SHOWN ON PLANS WITH APPLICABLE BMP IF NEEDED. PAYMENT FOR PAM AS A FLOCCULANT WILL BE INCLUDED IN THE PRICE FOR THE INSTALLATION AND/OR MAINTENANCE OF THE BMP IT IS USED IN CONJUNCTION WITH. NO SEPARATE PAYMENT WILL BE MADE.
	SYMBOL	Fl-Co POLYACRYLAMIDE	
Sb	STREAMBANK STABILIZATION SECTION 702		STREAMBANK STABILIZATION IS THE USE OF READILY AVAILABLE NATIVE PLANT MATERIALS TO MAINTAIN AND ENHANCE STREAMBANKS, OR TO PREVENT, OR RESTORE AND REPAIR SMALL STREAMBANK EROSION PROBLEMS. STREAMBANK STABILIZATION AREAS SHOULD BE SHOWN ON THE PLANS WHEN APPLICABLE TO THE PROJECT. REFER TO THE PROJECT'S STREAM AND STREAM BUFFER MITIGATION PLANS FOR PLANT SPECIES, LOCATIONS, AND OTHER PLANTING DETAILS.
	PATTERN		

NOTE:

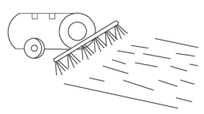
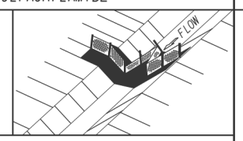
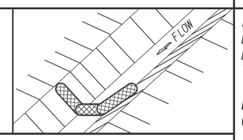
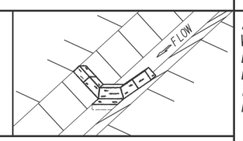
1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

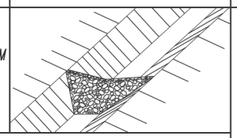
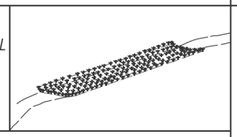
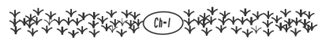
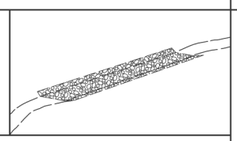
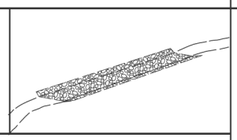
NO SCALE

REVISION DATES
3/2/2017

EROSION CONTROL LEGEND
UNIFORM CODE SHEET
SHEET 1 OF 7

CHECKED:	D. EAGLETON	DATE:	01/01/16	DRAWING No.
BACKCHECKED:		DATE:		52-0001
CORRECTED:		DATE:		
VERIFIED:		DATE:		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ss	SLOPE STABILIZATION CONSTRUCTION DETAIL D-35 SECTION 716		SLOPE STABILIZATION (EROSION CONTROL MATTING) IS A PROTECTIVE COVERING USED TO PREVENT EROSION AND ESTABLISH TEMPORARY OR PERMANENT VEGETATION ON STEEP SLOPES, SHORE LINES, OR CHANNELS. SLOPE STABILIZATION MAY BE A ROLLED EROSION CONTROL PRODUCT (RECP) OR A HYDRAULIC EROSION CONTROL PRODUCT (HECP). SLOPE STABILIZATION SHALL BE USED ON ALL CUT OR FILL SLOPES OF 2.5:1 OR STEEPER AND WITHIN 50 FEET OF ALL CROSS DRAINS AND CULVERTS. NOTE: ONLY COCONUT FIBER BLANKET OR WOOD FIBER BLANKET SHALL BE USED AS SLOPE STABILIZATION WITHIN BUFFERED AREAS.
	PATTERN 		
Tac	TACKIFIERS SECTION 163, 700, 895		TACKIFIERS HYDRATE IN WATER AND READILY BLEND WITH OTHER SLURRY MATERIALS AND ARE USED TO TIE-DOWN FOR SOIL, COMPOST, SEED, STRAW, HAY OR MULCH. TACKIFIERS REQUIREMENTS, SUCH AS ANIONIC POLYACRYLAMIDES (PAM) ARE ADDRESSED BY STANDARD SPECIFICATIONS AND ARE NOT TYPICALLY SHOWN ON THE PLANS. PAM IS TYPICALLY USED BY THE CONTRACTOR FOR TEMPORARY OR PERMANENT GRASSING. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR CRITERIA.
	SYMBOL Tac POLYACRYLAMIDE		
Cd-F	FABRIC CHECK DAM CONSTRUCTION DETAIL D-24D SECTION 171		A CHECK DAM COMPOSED OF SYNTHETIC FIBER FABRIC, WIRE REINFORCED, POST, OVERFLOW WEIR, AND TURF REINFORCEMENT MATTING (TRM) SPLASHPAD PLACED IN DITCHES IN A SPECIAL CONFIGURATION WHICH CONTROLS ENERGY DISSIPATION AND FILTRATION OF STORM WATER. SEE CONSTRUCTION DETAIL D-24D FOR ADDITIONAL INFORMATION AND SPACING REQUIREMENTS. THIS ITEM IS SUITABLE FOR USE IN ROADSIDE DITCHES THAT ARE PART OF INFRASTRUCTURE CONSTRUCTION PROJECTS AND WITHIN THE CLEAR ZONE. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.
	SYMBOL Cd-F		
Cd-Fs	COMPOST FILTER SOCK CHECK DAM CONSTRUCTION DETAIL D-52 SECTION 163		A COMPOST FILTER SOCK CHECK DAM IS COMPOSED OF A PHOTODEGRADABLE OR BIODEGRADABLE KNITTED MESH MATERIAL CONTAINING A WEED FREE FILLER MATERIAL DERIVED FROM A WELL-DECOMPOSED SOURCE OF ORGANIC MATTER. THEY SHALL BE PROPERLY STAKED FOR DITCH APPLICATIONS. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR MATERIAL SPECIFICATIONS. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.
	SYMBOL Cd-Fs		
Cd-Hb	BALED STRAW CHECK DAM CONSTRUCTION DETAIL D-52 SECTION 163		A BALE STRAW CHECK DAM IS COMPOSED OF BALES PREFERABLY BOUND WITH WIRE OR NYLON INSTEAD OF TWINE. BALES SHOULD BE PLACED IN ROWS WITH BALE ENDS TIGHTLY ABUTTING ADJACENT BALES. THE DOWNSTREAM ROW OF BALES SHALL BE PLACED IN A TRENCH TO ALLOW THE TOP OF THE BALE'S LONG, WIDE SIDE TO BE LEVEL WITH THE GROUND AS A NON-ERODIBLE SPLASH PAD. PROPER STAKING IS ALSO REQUIRED FOR DITCH APPLICATIONS. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.
	SYMBOL Cd-Hb		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Cd-S	STONE CHECK DAM OR SANDBAG CHECK DAM CONSTRUCTION DETAIL D-56 SECTION 163, 603		STONE CHECK DAMS ARE CONSTRUCTED OF TYPE-3 RIP-RAP WITH GEOTEXTILE UNDERLINER. STONE CHECK DAMS ARE PREFERRED IN ROADWAY DITCHES OUTSIDE THE CLEAR ZONE. CONSIDERATION SHOULD BE GIVEN TO USING OTHER APPROPRIATE CHECK DAMS AND/OR BMPs WITHIN THE CLEAR ZONE. SANDBAG CHECK DAMS ARE RECOMMENDED IN CONCRETE LINED CHANNELS FOR TEMPORARY VELOCITY CONTROL ONLY. ENSURE DISCHARGE POINT IS PROPERLY STABILIZED AND INCLUDE APPROPRIATE BMPs FOR SEDIMENT STORAGE UPSTREAM AND/OR DOWNSTREAM OF CONCRETE LINED CHANNELS. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.
	SYMBOL Cd-S		
Ch-1	VEGETATED CHANNEL STABILIZATION SECTION 700		A NEW OR EXISTING CHANNEL MAY BE LINED WITH PERMANENT VEGETATION ONLY FOR VELOCITIES UP TO 5.0 fps. THIS MEASURE SHALL BE DESIGNED IN ACCORDANCE WITH THE GDOT CHANNEL LINING DESIGN PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED. TYPICALLY NOT SHOWN IN PLANS.
	LINE CODE 		
Ch-2R1	CHANNEL STABILIZATION RIP-RAP, TYPE 1 CONSTRUCTION DETAIL D-49 SECTION 603		THIS ITEM CONSISTS OF LINING A CHANNEL WITH TYPE 1 RIP-RAP 24" THICK (UNLESS SPECIFIED OTHERWISE) PLACED ON TOP OF A GEOTEXTILE UNDERLINER. THE RIP-RAP SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
	LINE CODE 		
Ch-2R3	CHANNEL STABILIZATION RIP-RAP, TYPE 3 CONSTRUCTION DETAIL D-49 SECTION 603		THIS ITEM CONSISTS OF LINING A CHANNEL WITH TYPE 3 RIP-RAP 24" THICK (UNLESS SPECIFIED OTHERWISE) PLACED ON TOP OF A GEOTEXTILE UNDERLINER. THE RIP-RAP SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
	LINE CODE 		

NOTE:

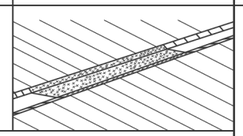
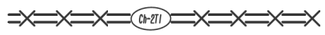
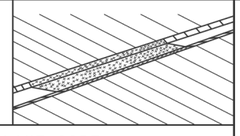
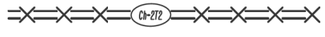
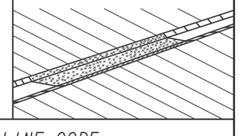
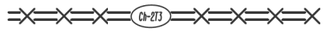
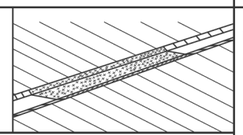
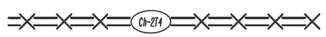
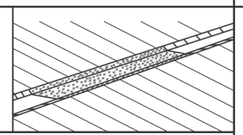
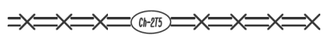
1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

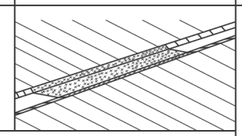
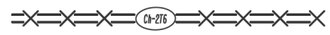
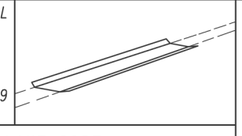
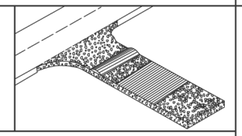
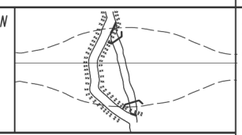
NO SCALE

REVISION DATES
3/2/2017
11/28/2018

EROSION CONTROL LEGEND
UNIFORM CODE SHEET
SHEET 2 OF 7

CHECKED:	D. EAGLETON	DATE:	01/01/16	DRAWING No.
BACKCHECKED:		DATE:		52-0002
CORRECTED:		DATE:		
VERIFIED:		DATE:		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ch-2T1	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711	 LINE CODE 	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-2 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH 'Dp' RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. 'Dp' SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
Ch-2T2	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711	 LINE CODE 	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-4 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH 'Dp' RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. 'Dp' SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
Ch-2T3	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711	 LINE CODE 	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-6 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH 'Dp' RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. 'Dp' SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
Ch-2T4	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711	 LINE CODE 	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-8 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH 'Dp' RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. 'Dp' SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
Ch-2T5	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711	 LINE CODE 	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-10 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH 'Dp' RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. 'Dp' SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ch-2T6	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711	 LINE CODE 	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-12 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH 'Dp' RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. 'Dp' SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
Ch-3	CONCRETE CHANNEL STABILIZATION CONSTRUCTION DETAIL D-10, D-49 SECTION 441	 LINE CODE 	CHANNELS ARE LINED WITH CONCRETE FOR VELOCITIES >/= 10 fps. THIS ITEM CONSISTS OF CONSTRUCTING A 4" THICK CONCRETE CHANNEL. THE CONCRETE SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH 'Dp' RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. 'Dp' SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN. RIP-RAP SHOULD BE USED TO DISSIPATE ENERGY DOWNSTREAM OF CONCRETE LINED CHANNELS.
Co	CONSTRUCTION EXIT CONSTRUCTION DETAIL D-41 SECTION 163, 800	 SYMBOL 	A CONSTRUCTION EXIT IS A STONE STABILIZED PAD THAT REDUCES OR ELIMINATES THE TRANSPORT OF MUD FROM CONSTRUCTION AREAS ONTO PUBLIC ROADS BY EQUIPMENT OR RUNOFF. BEST USED AT ACCESS POINTS, I.e. NEW LOCATION PROJECTS, BORROW PITS, WASTE PITS, ACCESS ROADS, ETC. SHOULD BE MINIMUM 20' WIDE, 50' LONG, 6" THICK, AND REQUIRES A GEOTEXTILE UNDERLINER. ON SITES WHERE THE GRADE TOWARD A PAVED AREA IS GREATER THAN 2%, A FULL WIDTH DIVERSION RIDGE 6" TO 8" HIGH WITH 3:1 SLOPES SHALL BE CONSTRUCTED APPROXIMATELY 15' UPSTREAM OF PAVED AREA. A TIRE WASHING AREA TO REMOVE MUD MAY ALSO BE REQUIRED PRIOR TO ENTRANCE ONTO PUBLIC ROADWAYS. ALL CONSTRUCTION EXIT REQUIREMENTS ARE INCLUDED IN THE PRICE OF THE CONSTRUCTION EXIT.
Dc-A	STREAM DIVERSION CHANNEL GEOTEXTILE, POLYETHYLENE FILM SECTION 163	 LINE CODE 	A TEMPORARY CHANNEL CONSTRUCTED TO CONVEY FLOW AROUND A CONSTRUCTION SITE WHILE A PERMANENT DRAINAGE STRUCTURE IS BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH GEOTEXTILE OR POLYETHYLENE FILM. INSTALL TWO ROWS OF Sdl-S PARALLEL TO THE CHANNEL TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING THE STREAM. THE SIZE OF THE CHANNEL WILL DEPEND ON THE DISCHARGE, CHANNEL GEOMETRY, CHANNEL SLOPE AND ROUGHNESS. IT IS ACCEPTABLE FOR VELOCITIES BETWEEN 0 - 2.5 fps. THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.

NOTE:

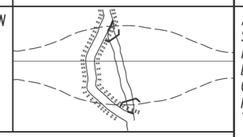
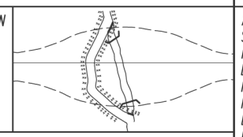
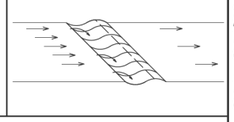
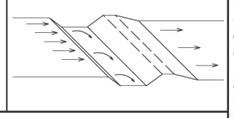
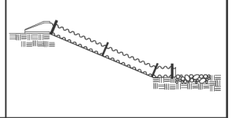
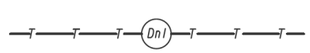
1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

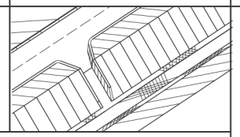
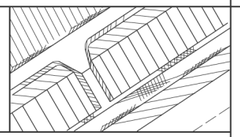
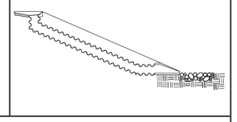
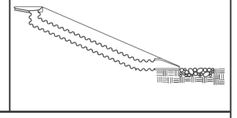
NO SCALE

REVISION DATES
3/2/2017

EROSION CONTROL LEGEND
UNIFORM CODE SHEET
SHEET 3 OF 7

CHECKED:	D. EAGLETON	DATE:	01/01/16	DRAWING No.
BACKCHECKED:		DATE:		52-0003
CORRECTED:		DATE:		
VERIFIED:		DATE:		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Dc-B	STREAM DIVERSION CHANNEL GEOTEXTILE ONLY SECTION 163	 LINE CODE 	A TEMPORARY CHANNEL CONSTRUCTED TO CONVEY FLOW AROUND A CONSTRUCTION SITE WHILE A PERMANENT DRAINAGE STRUCTURE IS BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH GEOTEXTILE ONLY. INSTALL TWO ROWS OF SdI-S PARALLEL TO THE CHANNEL TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING THE STREAM. THE SIZE OF THE CHANNEL WILL DEPEND ON THE DISCHARGE, CHANNEL GEOMETRY, CHANNEL SLOPE AND ROUGHNESS. IT IS ACCEPTABLE FOR VELOCITIES BETWEEN 2.5 - 9.0 fps. THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.
Dc-C	STREAM DIVERSION CHANNEL RIP-RAP & GEOTEXTILE SECTION 163	 LINE CODE 	A TEMPORARY CHANNEL CONSTRUCTED TO CONVEY FLOW AROUND A CONSTRUCTION SITE WHILE A PERMANENT DRAINAGE STRUCTURE IS BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH RIP-RAP AND GEOTEXTILE. INSTALL TWO ROWS OF SdI-S PARALLEL TO THE CHANNEL TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING THE STREAM. THE SIZE OF THE CHANNEL WILL DEPEND ON THE DISCHARGE, CHANNEL GEOMETRY, CHANNEL SLOPE AND ROUGHNESS. IT IS ACCEPTABLE FOR VELOCITIES BETWEEN 9.0 - 13.0 fps. THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.
DI-1	DIVERSION BERM CONSTRUCTION DETAIL D-47 SECTION 205	 LINE CODE 	A NON-DESIGNED TEMPORARY EARTHEN BERM WITH A COMPACTED SUPPORTING RIDGE ON THE LOWER SIDE TO BE USED AT THE EDGE OF EMBANKMENT DURING THE GRADING OPERATION. THE BERMS ARE ALSO CONSTRUCTED ABOVE, ACROSS OR BELOW A SLOPE TO REDUCE THE LENGTH OF A SLOPE. THEY ARE USED TO INTERCEPT RUNOFF, PREVENTING SLOPE EROSION AND TO DIRECT THE RUNOFF TO A STABLE OUTLET, DOWN DRAINS 'Dnl'OR CATCHMENT AREAS AND ON ALL GRADING PROJECTS.
DI-2	DIVERSION CHANNEL SECTION 205	 LINE CODE 	A DESIGNED TEMPORARY OR PERMANENT CHANNEL WITH A COMPACTED SUPPORTING RIDGE ON THE LOWER SIDE TO DIVERT OFFSITE RUNOFF AWAY FROM DISTURBED AREAS WITHIN THE PROJECT AREA. CHANNEL FOR OFFSITE RUNOFF SHALL BE STABILIZED WITH APPROPRIATE CHANNEL STABILIZATION. REFER TO THE LATEST EDITION OF THE 'MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA' FOR DESIGN CRITERIA. A DIVERSION CHANNEL DETAIL MUST ALSO BE PROVIDED IN THE ESPCP. RUNOFF FROM DISTURBED AREAS WITHIN THE PROJECT AREA SHALL NOT BE ALLOWED TO CONVERGE WITH OFFSITE RUNOFF WITHIN THIS DIVERSION.
Dnl	TEMPORARY DOWNDRAIN STRUCTURE FLEXIBLE CONSTRUCTION DETAIL D-19 SECTION 163	 LINE CODE 	A TEMPORARY PIPE SLOPE DRAIN IS A PLASTIC FLEXIBLE PIPE TO CARRY WATER FROM THE WORK AREA TO A LOWER ELEVATION. TEMPORARY SLOPE DRAINS SHOULD BE PLACED AT INTERVALS OF 350 FEET ON 0% - 2% GRADES, 200 FEET ON STEEPER GRADES AND MORE FREQUENTLY AS DICTATED BY FIELD CONDITIONS. THE TYPICAL PIPE SIZE IS A CORRUGATED 10'. THE PIPE WILL BE ANCHORED WITH STAKES AT INTERVALS NOT TO EXCEED 10'. THE OUTLET AREA SHALL BE STABILIZED FOR VELOCITY DISSIPATION AND EROSION CONTROL.

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Dn2-A	PERMANENT DOWNDRAIN STRUCTURE CONCRETE CONSTRUCTION DETAIL D-9 SECTION 441	 LINE CODE 	A CONCRETE FLUME TYPE 'A' IS USED TO DIRECT SURFACE RUNOFF DOWN A ROADWAY SLOPE INTO ANOTHER FORM OF CONTROL. IT IS USED IN ALL DEPRESSED AREAS WHERE WATER WILL FLOW DOWN THE SLOPE. IT IS DESIGNED FOR A 25-YEAR STORM AND MUST HAVE SOME FORM OF OUTLET PROTECTION. ADDITIONAL LABELING IS NOT REQUIRED IF SHOWN AS A PERMANENT DRAINAGE STRUCTURE ON THE CONSTRUCTION PLANS. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OTHER CRITERIA).
Dn2-B	PERMANENT DOWNDRAIN STRUCTURE CONCRETE CONSTRUCTION DETAIL D-9 SECTION 441	 LINE CODE 	A CONCRETE FLUME TYPE 'B' IS USED TO DIRECT SURFACE DITCH RUNOFF DOWN A BACK SLOPE INTO ANOTHER FORM OF CONTROL. IT IS USED IN DEPRESSED AREAS WHERE CONCENTRATED OFFSITE WATER REACHES THE CUT SLOPE. IT IS DESIGNED TO SAFELY CONVEY WATER DOWN THE CUT SLOPE. IT IS DESIGNED FOR A 25-YEAR STORM AND MUST HAVE SOME FORM OF OUTLET PROTECTION. ADDITIONAL LABELING IS NOT REQUIRED IF SHOWN AS A PERMANENT DRAINAGE STRUCTURE ON THE CONSTRUCTION PLANS. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).
Dn2-1	PERMANENT DOWNDRAIN STRUCTURE GA. STD 9013 TP1, 9017J TPI, DETAIL D-26 TPI SECTION 576, 577	 LINE CODE 	CONCRETE DRAIN INLET WITH METAL PIPE IS USED TO DRAIN CURBS, ON A GRADE, DOWN TO A LOWER ELEVATION. THIS IS A PERMANENT STRUCTURE, REQUIRING OUTLET PROTECTION, TEMPORARY AND PERMANENT. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).
Dn2-2	PERMANENT DOWNDRAIN STRUCTURE GA. STD 9013 TP2, 9017J TP2, DETAIL D-26 TP2 SECTION 576, 577	 LINE CODE 	CONCRETE DRAIN INLET AND METAL PIPE IS USED TO DRAIN CURB, IN A SAG, DOWN TO A LOWER ELEVATION. THIS IS A PERMANENT STRUCTURE, REQUIRING OUTLET PROTECTION, TEMPORARY AND PERMANENT. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, 'MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA'.

NO SCALE

REVISION DATES
3/2/2017

EROSION CONTROL LEGEND

UNIFORM CODE SHEET

SHEET 4 OF 7

CHECKED:	D. EAGLETON	DATE:	01/01/16	DRAWING No.
BACKCHECKED:		DATE:		52-0004
CORRECTED:		DATE:		
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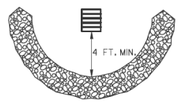
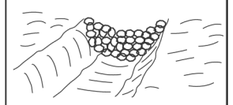
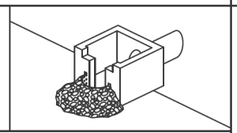
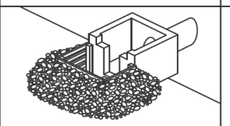
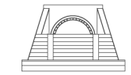
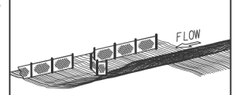
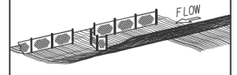
CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Fr	FILTER RING CONSTRUCTION DETAIL D-46 SECTION 163		A TEMPORARY STONE BARRIER CONSTRUCTED AT DRAINAGE STRUCTURE INLETS AND POST-CONSTRUCTION POND OUTLETS. IT REDUCES RUNOFF VELOCITY AND HELPS PREVENT SEDIMENT FROM LEAVING SITE PRIOR TO PERMANENT STABILIZATION OF THE DISTURBED AREA. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR ADDITIONAL INFORMATION ON USAGE.
	SYMBOL: Fr		
Rd	ROCK FILTER DAM CONSTRUCTION DETAIL D-43 SECTION 163,603		ROCK FILTER DAMS ARE CONSTRUCTED OF TYPE 3 STONE RIP-RAP FACED WITH #57 STONE ON THE UPSTREAM SIDE. THEY ARE PLACED ACROSS DRAINAGEWAYS WHICH DRAIN 50 ACRES OR LESS. GEOTEXTILE UNDERLINER SHALL BE USED WHEN PLACING ROCK FILTER DAMS. THE DAM SHOULD NOT BE HIGHER THAN THE CHANNEL BANKS. ROCK FILTER DAMS SHOULD BE USED IN DITCHES PRIOR TO DISCHARGING INTO STREAMS, WETLANDS, OPEN-WATERS, OR OTHER ESAs.
	SYMBOL: Rd		
Rd-B	STONE FILTER BERM CONSTRUCTION DETAIL D-50 SECTION 163,603		STONE FILTER BERMS ARE CONSTRUCTED SIMILAR TO ROCK FILTER DAMS FOR A LINEAR APPLICATION. THEY ARE CONSTRUCTED OF TYPE-3 STONE RIP-RAP FACED WITH #57 STONE ON THE UPSTREAM SIDE. GEOTEXTILE UNDERLINER SHALL BE USED WHEN PLACING STONE FILTER BERMS. STONE FILTER BERMS ARE IDEAL ALONG THE PERIMETER FOR SHEET FLOW AND/OR SHALLOW CONCENTRATED FLOW TO A COMMON LOW AREA WHERE PERIMETER SILT FENCE ALONE MAY BE INSUFFICIENT, THERE IS NO WELL-DEFINED CHANNEL FOR A STANDARD ROCK FILTER DAM, AND/OR CONSTRUCTING A ROCK OUTLET TEMPORARY SEDIMENT TRAP IS NOT APPLICABLE.
	LINE CODE: —Rd-B—		
Rp	RIP-RAP SECTION 603		RIP-RAP IS A FLEXIBLE PERMANENT BLANKET FOR PROTECTION OF FILL SLOPES AND BRIDGE END ROLLS. RIP-RAP TYPE-1 SHOULD BE PLACED ON TOP OF A GEOTEXTILE UNDERLINER AT A MINIMUM 24" THICKNESS OR AS INDICATED ON THE PLANS. RIP-RAP MAY ALSO BE USED AT DRAINAGE STRUCTURE OUTLETS WITHIN THE RIGHT-OF-WAY. HOWEVER, APPROPRIATE OUTLET PROTECTION SHOULD BE PROVIDED AT OUTFALLS. REFER TO STORM DRAIN OUTLET PROTECTION FOR ADDITIONAL INFORMATION ON USING RIP-RAP AT OUTFALLS.
	PATTERN: Rp		
Rt-P	RETROFITTING PERFORATED HALF-ROUND PIPE CONSTRUCTION DETAIL D-44 SECTION 163		A PERFORATED HALF-ROUND PIPE WITH STONE FILTER PLACED IN FRONT OF A PERMANENT STORMWATER DETENTION POND OUTLET STRUCTURE TO SERVE AS A TEMPORARY SEDIMENT FILTER. SHOULD BE USED ONLY IN DETENTION PONDS WITH LESS THAN 30 ACRES TOTAL DRAINAGE AREA. SHALL ONLY BE USED IN DETENTION BASINS LARGE ENOUGH TO STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DISTURBED AREA. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA.
	SYMBOL: Rt-P		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Rt-B	RETROFITTING SLOTTED BOARD DAM CONSTRUCTION DETAIL D-45 SECTION 163		A SLOTTED BOARD DAM CONSISTS OF STONE AND/OR FILTER FABRIC AND BOARDS WITH 0.5" - 1.0" SPACING TO SERVE AS A TEMPORARY SEDIMENT FILTER. PERMANENT STORMWATER DETENTION POND OUTLET: -DRAINAGE AREA UP TO 100 ACRES -DETENTION BASINS LARGE ENOUGH TO STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DISTURBED AREA ROADWAY DRAINAGE STRUCTURE: -OPEN END PIPES, WINGED HEADWALLS, OR CONCRETE WEIR OUTLETS WITH DRAINAGE AREA LESS THAN 30 ACRES REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA.
	SYMBOL: Rt-B		
Rt-Sg1 Rt-Sg2 Rt-Sg3	RETROFITTING SILT CONTROL GATES CONSTRUCTION DETAIL D-20 SECTION 163		A SILT CONTROL GATE CONSISTS OF BOARDS WITHOUT SPACING AND FILTER FABRIC TO BE USED FOR TEMPORARY SEDIMENT STORAGE ON ROADWAY PROJECTS AT THE INLET OF STRUCTURES WITH A DRAINAGE AREA UP TO 50 ACRES. THE DISTURBED AREA WITHIN THE DRAINAGE AREA SHALL NOT EXCEED 5 ACRES. SILT CONTROL GATES SHOULD NOT BE USED ALONE, BUT WITH ANOTHER BMP DOWNSTREAM PRIOR TO DISCHARGE LEAVING PROJECT AREA. DO NOT USE SILT GATES IN STATE WATERS. Rt-Sg1=TYPE 1: USED ON BOX CULVERTS Rt-Sg2=TYPE 2: USED ON STRAIGHT HEADWALLS Rt-Sg3=TYPE 3: USED ON FLARED END SECTIONS AND TAPERED HEADWALLS
	SYMBOL: Rt-Sg1 Rt-Sg2 Rt-Sg3		
Sdl-NS	SEDIMENT BARRIER (NON-SENSITIVE) SILT FENCE TYPE A CONSTRUCTION DETAIL D-24 SECTION 171		SEDIMENT BARRIERS MINIMIZE AND PREVENT SEDIMENT CARRIED BY SHEET FLOW FROM LEAVING THE PROJECT AREA BY CAUSING DEPOSITION AND/OR FILTRATION OF SEDIMENT. SILT FENCE USED AS PERIMETER CONTROL SHALL NOT BE INSTALLED ACROSS CONCENTRATED FLOW. TYPE-A SILT FENCE IS TYPICALLY USED IN NON-ENVIRONMENTALLY SENSITIVE AREAS (ESAs) OR IN AREAS WITH FILLS LESS THAN 10'. IT SHOULD BE PLACED A MINIMUM OF 10' FROM CONSTRUCTION LIMITS OR ALONG THE RIGHT-OF-WAY LINE.
	LINE CODE: —A—A—A—Sdl-NS—A—A—A—		
Sdl-S	SEDIMENT BARRIER (SENSITIVE) SILT FENCE TYPE C CONSTRUCTION DETAIL D-24 SECTION 171		SEDIMENT BARRIERS MINIMIZE AND PREVENT SEDIMENT CARRIED BY SHEET FLOW FROM LEAVING THE PROJECT AREA BY CAUSING DEPOSITION AND/OR FILTRATION OF SEDIMENT. SILT FENCE USED AS PERIMETER CONTROL SHALL NOT BE INSTALLED ACROSS CONCENTRATED FLOW. TYPE-C SILT FENCE IS TYPICALLY USED IN ENVIRONMENTALLY SENSITIVE AREAS (ESAs) OR IN AREAS WITH FILLS 10' AND GREATER. ALL ENVIRONMENTALLY SENSITIVE AREAS (ESAs) SHALL BE PROTECTED WITH A DOUBLE-ROW OF TYPE-C SILT FENCE REGARDLESS OF FILL HEIGHT. A SINGLE-ROW MAY BE USED FOR OTHER APPLICATIONS. IT SHOULD BE PLACED A MINIMUM OF 10' FROM CONSTRUCTION LIMITS OR ALONG THE RIGHT-OF-WAY LINE.
	LINE CODE: —C—C—C—Sdl-S—C—C—C—		

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

GDOT

NO SCALE

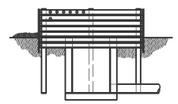
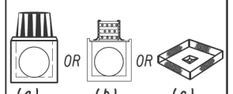
REVISION DATES
3/2/2017

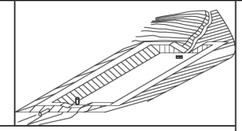
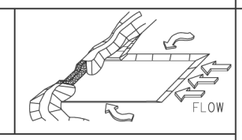
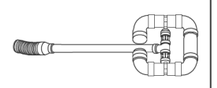
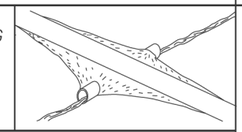
EROSION CONTROL LEGEND

UNIFORM CODE SHEET

SHEET 5 OF 7

CHECKED:	D. EAGLETON	DATE:	01/01/16	DRAWING No.
BACKCHECKED:		DATE:		52-0005
CORRECTED:		DATE:		
VERIFIED:		DATE:		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Sd1-BB	SEDIMENT BARRIER BRUSH BARRIER CONSTRUCTION DETAIL D-24B SECTION 201		THIS ITEM CONSISTS OF INTERMINGLED BRUSH, LOGS, ETC. SO AS NOT TO FORM A SOLID DAM. CONSTRUCTED AT THE TOE OF FILL SLOPES ONLY DURING THE CLEARING AND GRUBBING OPERATION. THE BARRIER SHOULD BE USED AT THE TOE OF FILL SLOPES ON GRADING PROJECTS IN RURAL AREAS WHERE SUFFICIENT RIGHT OF WAY OR EASEMENT IS AVAILABLE (10 FEET OR MORE). THE BARRIER SHOULD RUN ROUGHLY PERPENDICULAR TO THE FLOW OF WATER WHERE THIS DOES NOT CONFLICT WITH RIGHT-OF-WAY OR EASEMENT LIMITS. THEY WILL NOT BE PLACED IN WETLANDS. TYPICALLY NOT SHOWN ON PLANS. PAYMENT FOR THIS ITEM IS INCLUDED IN THE CLEARING AND GRUBBING COST. NO SEPARATE PAYMENT SHALL BE MADE.
	LINE CODE * * * (Sd1-BB) * * *		
Sd2-B	INLET SEDIMENT TRAP (BAFFLE BOX) CONSTRUCTION DETAIL D-42 SECTION 163		BAFFLE BOX INLET SEDIMENT TRAP USED FOR INLETS RECEIVING HIGH FLOW RATE AND/OR VELOCITY. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING FLOW RATES 7 cfs AND GREATER.
	SYMBOL Sd2-B		
Sd2-Bg	INLET SEDIMENT TRAP (BLOCK & GRAVEL) CONSTRUCTION DETAIL D-42 SECTION 163		BLOCK AND GRAVEL DROP INLET PROTECTION USED FOR WHERE HEAVY FLOWS ARE EXPECTED AND WHERE OVERFLOW CAPACITY IS NECESSARY TO PREVENT EXCESSIVE PONDING AROUND THE STRUCTURE. CAN BE USED AT CULVERT INLETS. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING FLOW RATES THAT RANGE FROM 5 - 7 cfs.
	SYMBOL Sd2-Bg		
Sd2-F	INLET SEDIMENT TRAP (FILTER FABRIC) CONSTRUCTION DETAIL D-24C SECTION 163		(a) A SEDIMENT BARRIER CONSISTING OF A PREFABRICATED FRAME WITH FILTER FABRIC USED AROUND A DROP INLET OR CATCH BASIN. (b) A SEDIMENT BARRIER CONSISTING OF A PERFORATED METAL STAND PIPE WITH FILTER FABRIC USED AROUND A DROP INLET OR CATCH BASIN. (c) TYPE C SILT FENCE WITH SUPPORTING FRAME CAN BE USED AS AN ALTERNATE TO INLET SEDIMENT TRAP FOR AREAS WITH SLOPES < 5%. THIS ITEM IS USED TO PREVENT SILT FROM ENTERING THE PIPE SYSTEM. SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS. RECOMMENDED FOR INLET RECEIVING FLOW RATES THAT RANGE FROM 0 - 4 cfs.
	SYMBOL Sd2-F		
Sd2-G	INLET SEDIMENT TRAP (GRAVEL) CONSTRUCTION DETAIL D42 SECTION 163		GRAVEL DROP INLET PROTECTION USED WHERE HEAVY CONCENTRATED FLOWS ARE EXPECTED. STONE AND GRAVEL ARE USED TO TRAP SEDIMENT. THE SLOPE TOWARD THE INLET SHALL BE NO MORE THAN 3:1. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING FLOW RATES THAT RANGE FROM 3 - 5 cfs.
	SYMBOL Sd2-G		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Sd3	TEMPORARY SEDIMENT BASIN CONSTRUCTION DETAIL D-22A, D-22B SECTION 163		A BASIN CREATED BY EXCAVATING AN AREA, DAMMING CONCENTRATED FLOW, OR A COMBINATION OF BOTH. THE BASIN IS DESIGNED TO STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DRAINAGE AREA. THE DRAINAGE AREA SHOULD NOT EXCEED 150 ACRES. BASINS TYPICALLY CONSISTS OF A DAM, PRINCIPAL SPILLWAY, AND AN EMERGENCY SPILLWAY. A FLOATING SURFACE SKIMMER SHALL BE REQUIRED AS PART OF THE PRINCIPAL SPILLWAY UNLESS INFEASIBLE. SUFFICIENT RIGHT-OF-WAY OR EASEMENT IS NEEDED FOR BASIN CONSTRUCTION AND MAINTENANCE ACCESS. SEDIMENT BASINS SHALL BE CONSIDERED ON ALL PROJECTS, BUT MAY NOT BE PRACTICAL. BASINS SHOULD BE LOCATED TO MINIMIZE INTERFERENCE WITH CONSTRUCTION ACTIVITIES AND UTILITIES. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA.
	SYMBOL Sd3		
Sd4-C	ROCK OUTLET TEMPORARY SEDIMENT TRAP CONSTRUCTION DETAIL D-53 SECTION 163		TEMPORARY POND WITH ROCK OUTLET DESIGNED TO STORE 67 CUBIC YARDS OF SEDIMENT PER DRAINAGE AREA. DRAINAGE AREA SHALL NOT EXCEED 5 ACRES. DISTINGUISHED FROM TEMPORARY SEDIMENT BASIN BY LACK OF PRINCIPAL SPILLWAY. MAXIMUM POND DEPTH FROM BOTTOM OF POND TO EMERGENCY SPILLWAY IS 4 FEET. A TEMPORARY SEDIMENT BASIN SHALL BE EVALUATED PRIOR TO CONSIDERING A TEMPORARY SEDIMENT TRAP. A TEMPORARY SEDIMENT TRAP IS IDEAL FOR SMALL AREAS WITH NO UNUSUAL DRAINAGE FEATURES AND EFFECTIVE AGAINST COARSE SEDIMENT, BUT NOT AGAINST SILT OR CLAY PARTICLES THAT REMAIN SUSPENDED. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA.
	SYMBOL Sd4-C		
Sk	FLOATING SURFACE SKIMMER CONSTRUCTION DETAIL D-22A, D-22B SECTION 163		A BUOYANT DEVICE THAT DRAINS WATER FROM THE SURFACE OF A TEMPORARY SEDIMENT BASIN AT A CONTROLLED FLOW RATE. THE INLET/ORIFICE SIZE IS DESIGNED TO DRAIN THE BASIN WITHIN 24 - 48 HOURS. THE SKIMMER INFORMATION SHALL BE PROVIDED IN CONJUNCTION WITH THE SEDIMENT BASIN INFORMATION IN PLANS. IF A SKIMMER IS INFEASIBLE, THE DESIGNER SHALL PROVIDE A WRITTEN JUSTIFICATION IN THE PLANS. SKIMMERS ARE ATTACHED TO A RISER WITHOUT PERFORATIONS AND ACTS AS THE PRIMARY SPILLWAY. THE SKIMMER BMP SYMBOL SHALL BE SHOWN IN CONJUNCTION WITH THE TEMPORARY SEDIMENT BASIN BMP SYMBOL WHEN APPLICABLE. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR ADDITIONAL INFORMATION.
	SYMBOL Sk		
Sr	TEMPORARY STREAM CROSSING SECTION 107		A TEMPORARY STRUCTURE INSTALLED ACROSS A FLOWING STREAM OR WATERCOURSE FOR USE BY CONSTRUCTION EQUIPMENT. THIS BMP PROVIDES A MEANS TO CROSS STREAMS OR WATERCOURSES WITHOUT MOVING SEDIMENT INTO STREAMS, DAMAGING THE STREAM BED OR CHANNEL, OR CAUSING FLOODING. THIS BMP SHOULD NOT BE USED ON STREAMS WITH DRAINAGE AREAS GREATER THAN ONE SQUARE MILE, UNLESS SPECIFICALLY DESIGNED TO ACCOMMODATE THE ADDITIONAL DRAINAGE AREA BY THE DESIGN PROFESSIONAL. A CERTIFICATION STATEMENT AND SIGNATURE SHALL ACCOMPANY THE DESIGN. THIS BMP SHALL BE DESIGNED ACCORDING TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA". FOR CONTRACTOR'S USE ONLY!
	SYMBOL Sr		

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

NO SCALE

REVISION DATES
3/2/2017
11/28/2018

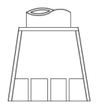
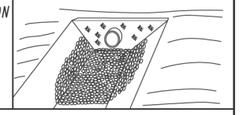
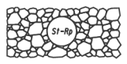
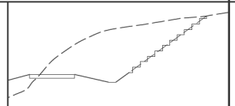
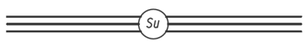
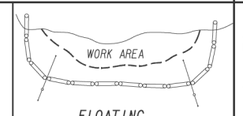
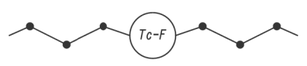
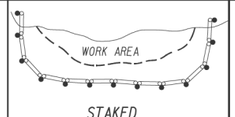
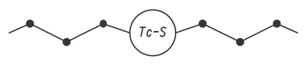
EROSION CONTROL LEGEND

UNIFORM CODE SHEET

SHEET 6 OF 7

CHECKED:	D. EAGLETON	DATE:	01/01/16	DRAWING No.
BACKCHECKED:		DATE:		52-0006
CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 GPLN

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
St	STORM DRAIN OUTLET PROTECTION GA. STD. 1125 & 2332		A PIPE OR BOX CULVERT OUTLET HEADWALL WITH AN APRON AND DISSIPATOR BLOCKS IS USED TO REDUCE VELOCITY AT THE OUTLET OF A PIPE PRIOR TO ENTERING AN EXISTING STREAM OR PUBLICLY MAINTAINED DRAINAGE SYSTEM. IT IS USED ON THE OUTLET OF ALL BOX CULVERTS AND ON 48" AND LARGER PIPES. MAY BE USED ON INLET FOR FLOWING STREAMS. USE ON SMALL PIPES WHEN OUTLET VELOCITY OF THE 25-YEAR STORM IS 12 fps AND GREATER.
	SYMBOL St		
St-Rp	STORM DRAIN OUTLET PROTECTION (RIP-RAP) CONSTRUCTION DETAIL D-55 SECTION 603		RIP-RAP OUTLET PROTECTION IS USED TO REDUCE VELOCITY AT THE OUTLET OF A PIPE, CHANNEL, OR STRUCTURE PRIOR TO ENTERING AN EXISTING STREAM OR PUBLICLY MAINTAINED DRAINAGE SYSTEM. THE MINIMUM DESIGN OF RIP-RAP OUTLET PROTECTION SHALL BE THE 25-YEAR STORM PEAK FLOW, BUT LARGER STORMS ARE RECOMMENDED. TYPE-1 RIP-RAP AT A DEPTH OF 36" AND PLACED ON FILTER FABRIC IS PREFERRED FOR ALL d50 </= 1.2 FEET. TYPE-3 RIP-RAP AT A DEPTH OF 18" AND PLACED ON FILTER FABRIC MAY BE USED FOR d50 </= 0.7 FEET. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR REQUIRED DESIGN DIMENSIONS AND OTHER INFORMATION TO BE INCLUDED IN THE PLANS.
	PATTERN FLAT AREA  OR  WELL-DEFINED CHANNEL		
Su	SURFACE ROUGHENING SERRATED SLOPES CONSTRUCTION DETAIL S-7 SECTION 205		PROVIDING A ROUGH SOIL SURFACE WITH HORIZONTAL DEPRESSIONS, BY OPERATING A CLEATED DOZER ON THE SLOPE IN A VERTICAL DIRECTION. CREATING SERRATED SLOPES IN THE GRADING PROCESS TO CONSTRUCT BENCHES WILL REDUCE RUNOFF VELOCITY AND INCREASE INFILTRATION OF WATER. IN MOST CASES THIS BMP IS NOT REQUIRED TO BE SHOWN ON THE PLANS, BUT REQUIRED TO BE COMPLETED BY THE CONTRACTOR UNDER ALL PROJECTS. IF SERRATED SLOPES ARE SPECIFIED BY THE SOIL SURVEY, THEN THIS BMP SHALL BE SHOWN ON THE PLANS WHERE SERRATED SLOPES ARE TO BE USED.
	LINE CODE 		
Tc-F	TURBIDITY CURTAIN FLOATING CONSTRUCTION DETAIL D-51 SECTION 170		A FLOATING TURBIDITY CURTAIN IS USED TO PREVENT SEDIMENT FROM MOVING IN WATER BY ALLOWING IT TO DROP OUT OF SUSPENSION AND REMAIN WITHIN THE CONSTRUCTION AREA. IT IS TYPICALLY USED WHERE CONSTRUCTION IS REQUIRED IN A LARGE BODY OF WATER SUCH AS LAKES AND RIVERS. IT SHOULD BE USED AS DIRECTED BY THE ENGINEER. THIS BMP IS ONLY TO BE USED WHEN PERMITTED FILL IS BEING PLACED INTO A STATE WATER, OR AS A SUPPLEMENT TO ADEQUATELY PLACED PERIMETER BMPs. IT MAY ALSO BE REFERRED TO AS A FLOATING BOOM, SILT BARRIER, OR SILT CURTAIN.
	LINE CODE 		
Tc-S	TURBIDITY CURTAIN STAKED CONSTRUCTION DETAIL D-51 SECTION 170		A STAKED TURBIDITY CURTAIN IS USED TO PREVENT SEDIMENT FROM MOVING IN WATER BY ALLOWING IT TO DROP OUT OF SUSPENSION AND REMAIN WITHIN THE CONSTRUCTION AREA. IT IS TYPICALLY USED IN SHALLOW INUNDATED AREAS. IT MAY BE USED TO PROTECT A SMALL STREAM BEING REALIGNED OR RESTORED. IN THIS CASE, CURTAIN SHOULD EXTEND TO BOTTOM OF STREAMBED. THE HEIGHT SHOULD BE LIMITED TO 5 FEET UNLESS DIRECTED AND EXTEND 2 FEET ABOVE NORMAL WATER ELEVATION. IT SHOULD BE USED AS DIRECTED BY THE ENGINEER. THIS BMP IS ONLY TO BE USED WHEN PERMITTED FILL IS BEING PLACED INTO A STATE WATER, OR AS A SUPPLEMENT TO ADEQUATELY PLACED PERIMETER BMPs. IT MAY BE REFERRED TO AS A SILT BARRIER OR SILT CURTAIN.
	LINE CODE 		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

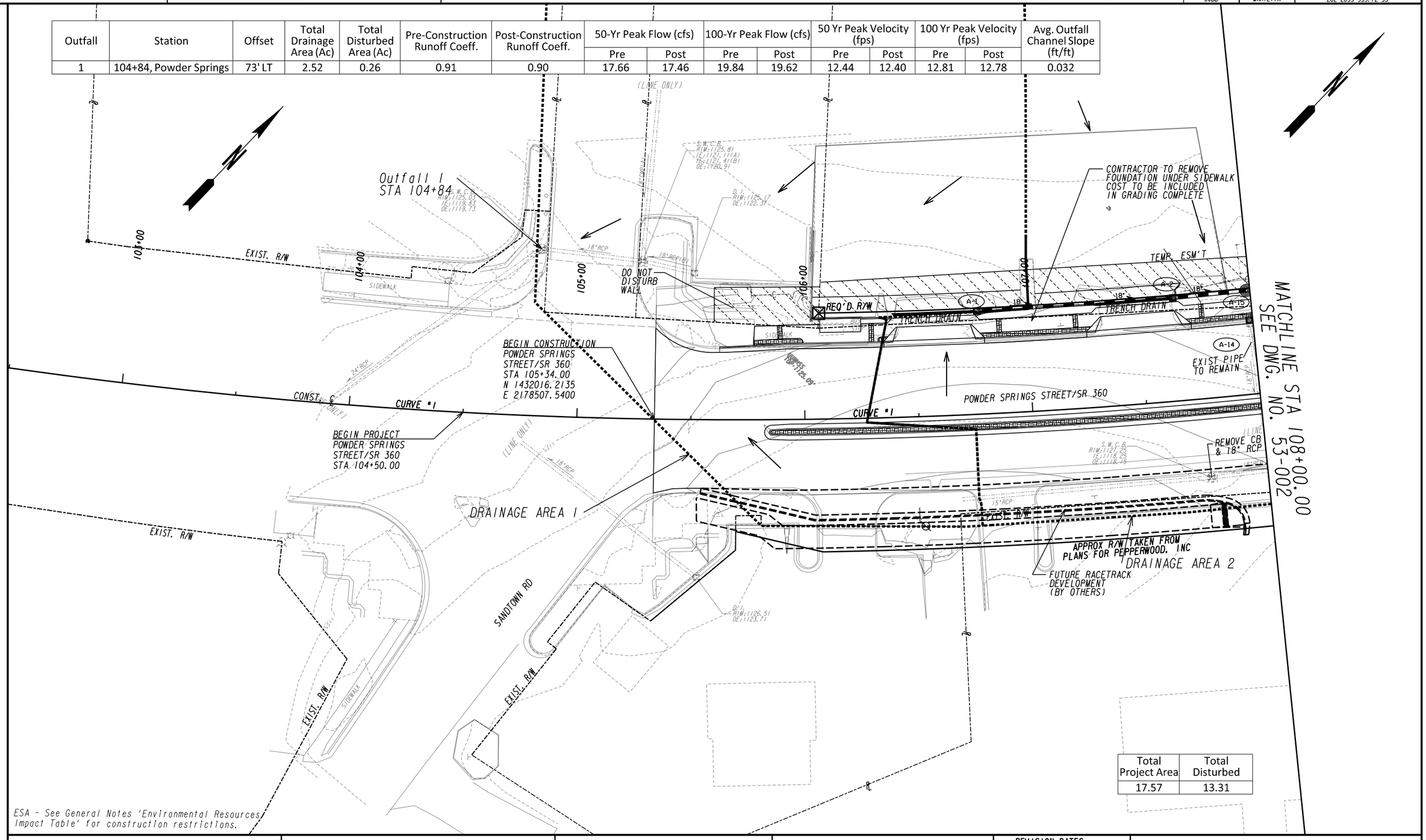
NO SCALE

REVISION DATES
3/2/2017

EROSION CONTROL LEGEND
UNIFORM CODE SHEET
SHEET 7 OF 7

CHECKED:	D. EAGLETON	DATE:	01/01/16	DRAWING No.
BACKCHECKED:		DATE:		52-0007
CORRECTED:		DATE:		
VERIFIED:		DATE:		

Outfall	Station	Offset	Total Drainage Area (Ac)	Total Disturbed Area (Ac)	Pre-Construction Runoff Coeff.	Post-Construction Runoff Coeff.	50-Yr Peak Flow (cfs)		100-Yr Peak Flow (cfs)		50 Yr Peak Velocity (fps)		100 Yr Peak Velocity (fps)		Avg. Outfall Channel Slope (ft/ft)
							Pre	Post	Pre	Post	Pre	Post	Pre	Post	
1	104+84, Powder Springs	73' LT	2.52	0.26	0.91	0.90	17.66	17.46	19.84	19.62	12.44	12.40	12.81	12.78	0.032



Total Project Area	Total Disturbed
17.57	13.31

ESA - See General Notes 'Environmental Resources Impact Table' for construction restrictions.

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
REQ'D LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

EROSION CONTROL DRAINAGE AREA MAP

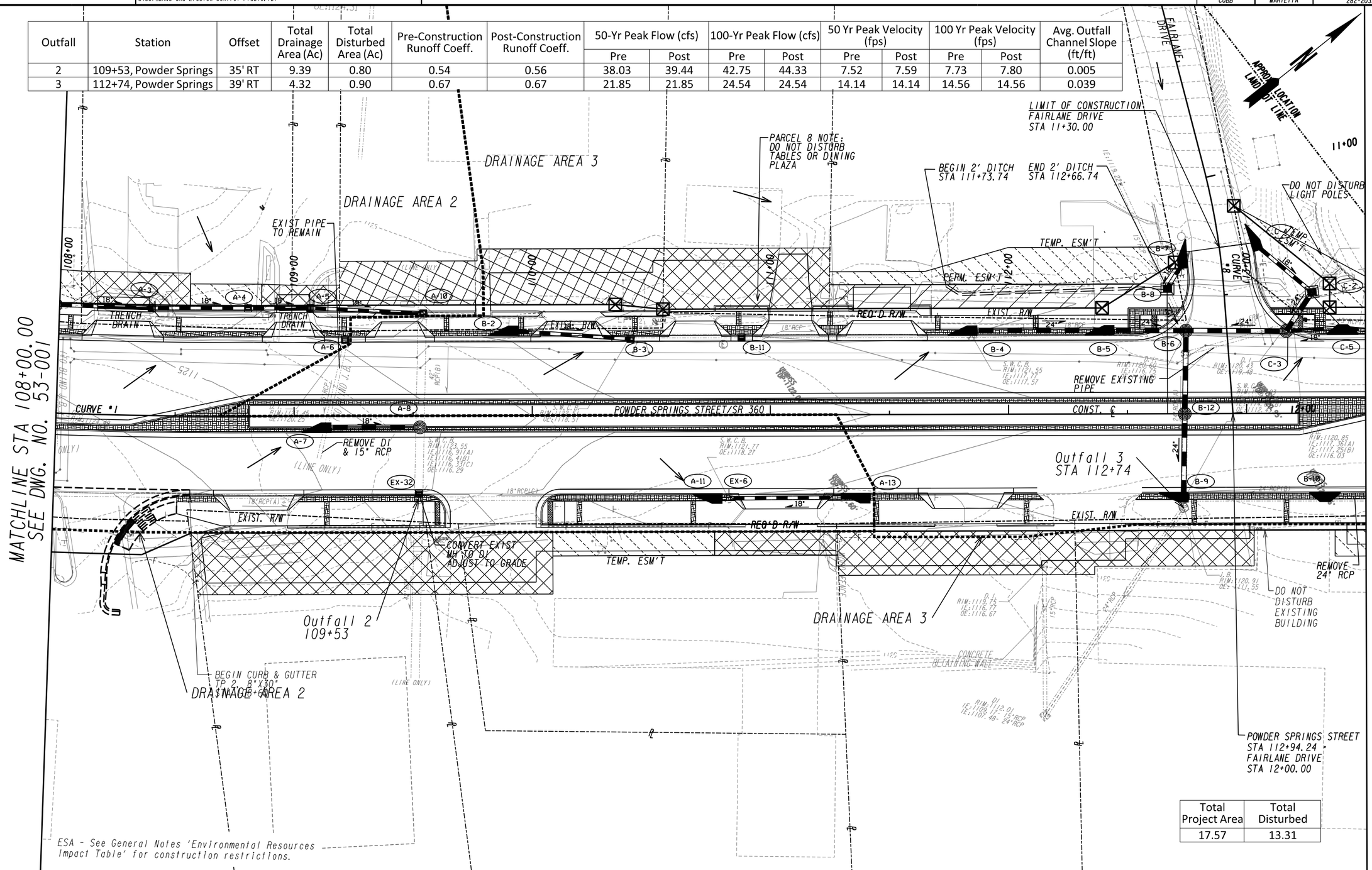
POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 53-001

12/14/2012 GPLN

COUNTY	CITY	PROJECT NUMBER
COBB	MARIETTA	282-2033-535.72-33

Outfall	Station	Offset	Total Drainage Area (Ac)	Total Disturbed Area (Ac)	Pre-Construction Runoff Coeff.	Post-Construction Runoff Coeff.	50-Yr Peak Flow (cfs)		100-Yr Peak Flow (cfs)		50 Yr Peak Velocity (fps)		100 Yr Peak Velocity (fps)		Avg. Outfall Channel Slope (ft/ft)
							Pre	Post	Pre	Post	Pre	Post	Pre	Post	
2	109+53, Powder Springs	35' RT	9.39	0.80	0.54	0.56	38.03	39.44	42.75	44.33	7.52	7.59	7.73	7.80	0.005
3	112+74, Powder Springs	39' RT	4.32	0.90	0.67	0.67	21.85	21.85	24.54	24.54	14.14	14.14	14.56	14.56	0.039



Total Project Area	Total Disturbed
17.57	13.31

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

EROSION CONTROL
DRAINAGE AREA MAP

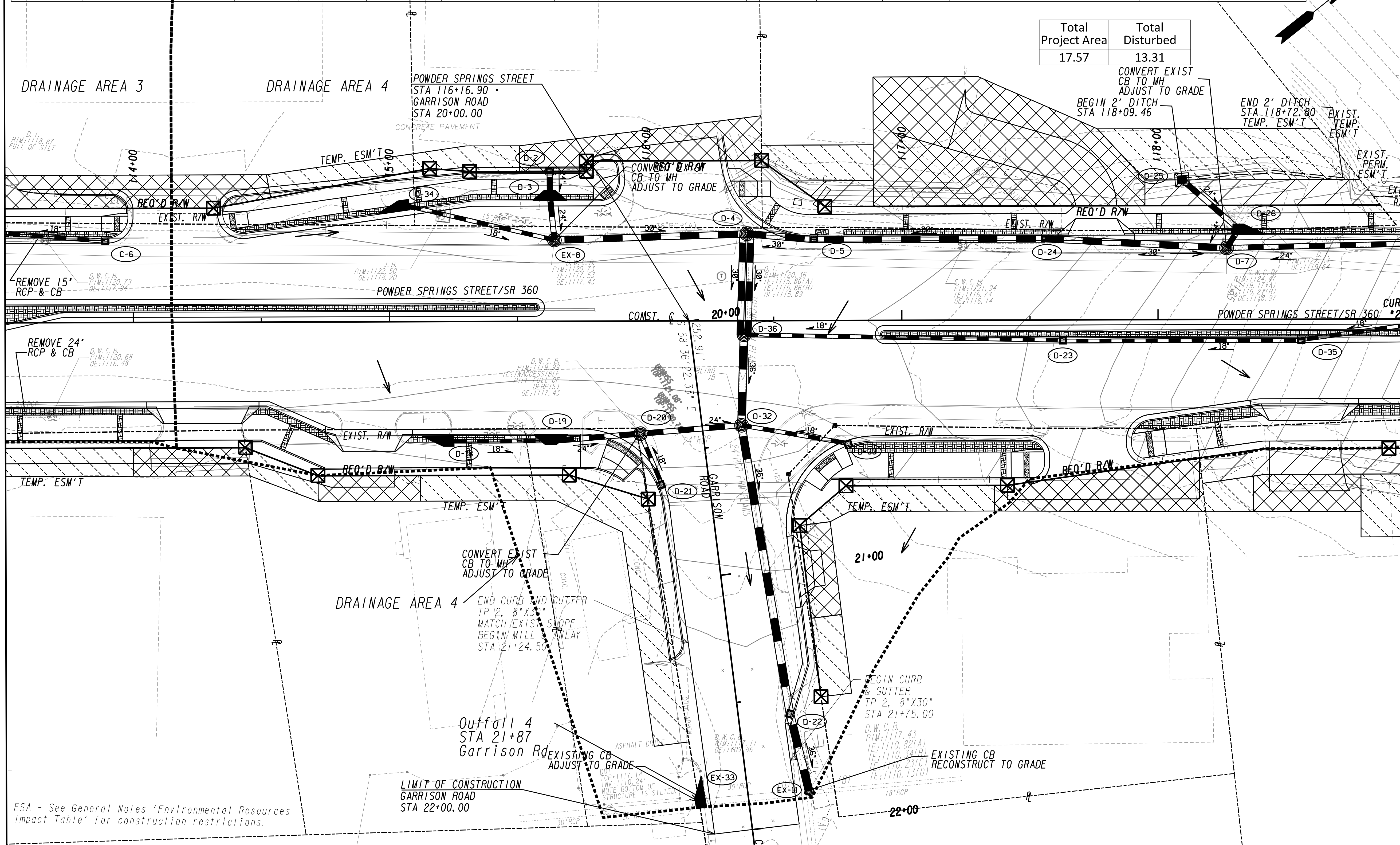
POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 53-002

12/14/2012 GPLN

Outfall	Station	Offset	Total Drainage Area (Ac)	Total Disturbed Area (Ac)	Pre-Construction Runoff Coeff.	Post-Construction Runoff Coeff.	50-Yr Peak Flow (cfs)		100-Yr Peak Flow (cfs)		50 Yr Peak Velocity (fps)		100 Yr Peak Velocity (fps)		Avg. Outfall Channel Slope (ft/ft)
							Pre	Post	Pre	Post	Pre	Post	Pre	Post	
4	21+58, Garrison Rd	20' LT	11.22	3.44	0.69	0.69	52.88	52.88	59.38	59.38	17.40	17.40	17.84	17.84	0.038

Total Project Area	Total Disturbed
17.57	13.31



DRAINAGE AREA 3
DRAINAGE AREA 4
POWDER SPRINGS STREET STA 116+16.90 = GARRISON ROAD STA 20+00.00
CONCRETE PAVEMENT
CONVERT EXIST CB TO MH ADJUST TO GRADE
BEGIN 2' DITCH STA 118+09.46
END 2' DITCH STA 118+72.80 TEMP. ESM'T
EXIST. TEMP. ESM'T
EXIST. PERM. ESM'T
EXIST. R/W
REQ'D R/W
TEMP. ESM'T
REMOVE 15" RCP & CB
REMOVE 24" RCP & CB
POWDER SPRINGS STREET/SR 360
CURVE #2A
COMST. C
20+00
21+00
22+00
GARRISON ROAD
D-2
D-3
D-4
D-5
D-7
D-18
D-19
D-20
D-21
D-22
D-23
D-24
D-25
D-26
D-32
D-33
D-34
D-35
D-36
C-6
EX-8
EX-11
EX-33
END CURB AND GUTTER TP 2, 8"X30" MATCH EXIST SLOPE BEGIN MILL & INLAY STA 21+24.50
BEGIN CURB & GUTTER TP 2, 8"X30" STA 21+75.00
Outfall 4 STA 21+87 Garrison Rd
EXISTING CB ADJUST TO GRADE
EXISTING CB RECONSTRUCT TO GRADE
LIMIT OF CONSTRUCTION GARRISON ROAD STA 22+00.00

ESA - See General Notes 'Environmental Resources Impact Table' for construction restrictions.

MATCHLINE STA 113+50.00 SEE DWG. NO. 53-002

MATCHLINE STA 119+00.00 SEE DWG. NO. 53-004

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET 0 20 40 80

REVISION DATES

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

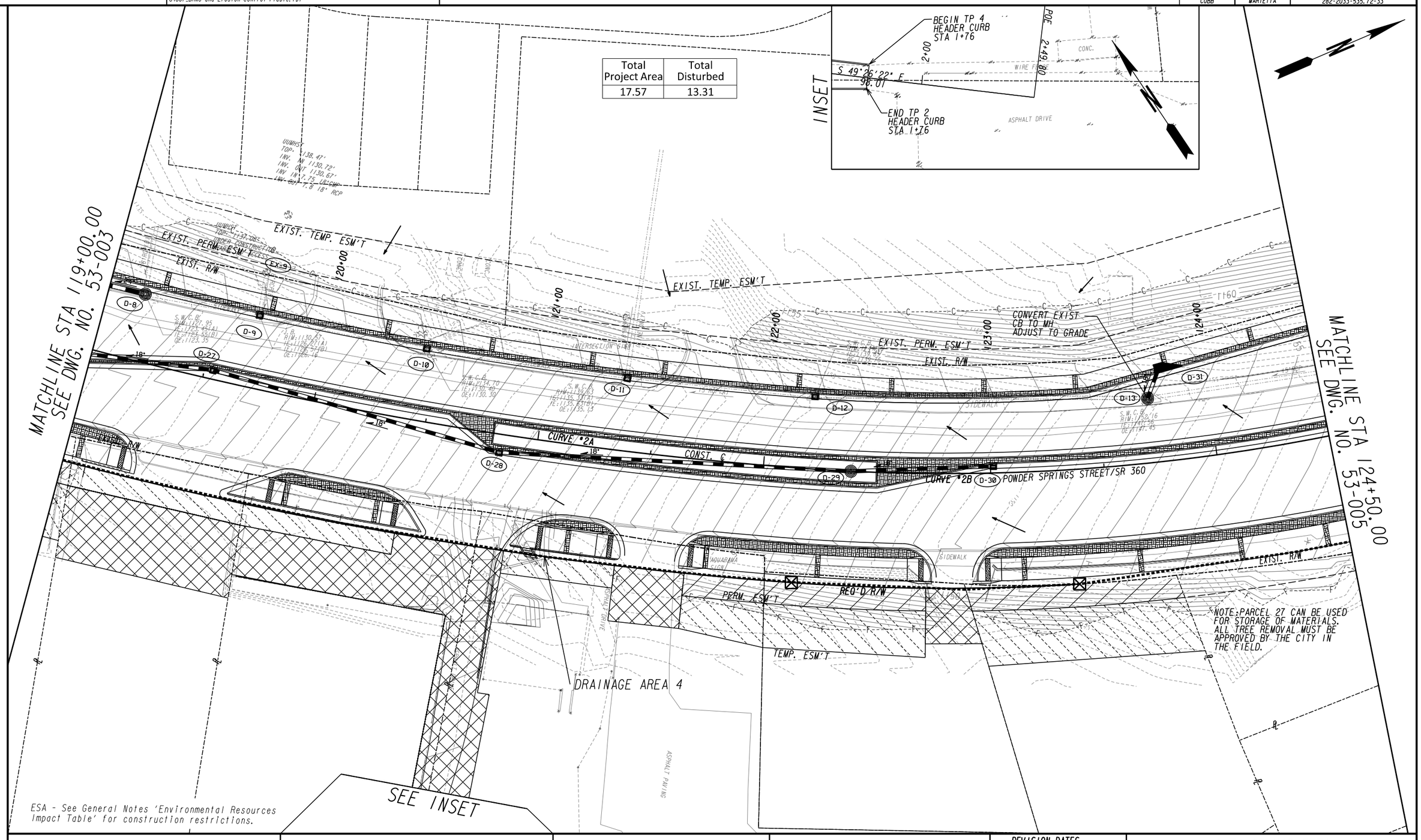
EROSION CONTROL DRAINAGE AREA MAP

POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 53-003

4/3/2021 7:17:26 AM	GPLOT-V8	64007_53-004.dgn	COUNTY	CITY	PROJECT NUMBER
nbmorel	64007_DRNG and Erosion Control PTable.tbl		COBB	MARIETTA	282-2033-535.72-33

Total Project Area	Total Disturbed
17.57	13.31



ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

EROSION CONTROL
DRAINAGE AREA MAP

POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 53-004

12/14/2012 GPLN

4/3/2021 7:17:37 AM nbmorel	GPLOT-V8 64007_DRNG and Erosion Control PTable.tbl	64007_53-005.dgn	COUNTY	CITY	PROJECT NUMBER
			COBB	MARIETTA	282-2033-535.72-33

Total Project Area	Total Disturbed
17.57	13.31

MATCHLINE STA 31+00.00
SEE DWG. NO. 53-011

DRAINAGE AREA 4

WEST GRAMLING STREET

CURVE *1

EXIST. R/W

REMOVE CB & 15" RCP

BEGIN 2' DITCH STA 125+77.34

CONVERT EXIST DI TO MH
ADJUST TO GRADE
CONVERT EXIST CB TO MH
ADJUST TO GRADE

END 2' DITCH STA 126+23.22

DRAINAGE AREA 5

TEMP. ESM'T

PERM. ESM'T

EXIST. R/W

REQ'D R/W

ADJUST TO GRADE

REMOVE DI & 18" RCP

CURB & GUTTER TP 2, 8"x30"

POWDER SPRINGS STREET/SR 360

CURVE *3

CONST. ℄

CURVE *2B

CONVERT EXIST CB TO MH
ADJUST TO GRADE

CURB & GUTTER TP 7, 8"x30"

EXIST. R/W

INSTALL NEW REQ'D MARKER
POWDER SPRINGS STREET
STA 125+77.80
WEST GRAMLING STREET/
GRAMLING STREET
STA 32+32.60

DRAINAGE AREA 4

GRAMLING STREET CONST. ℄

EXIST. R/W

TEMP. ESM'T

REQ'D R/W

EXIST. PERM. ESM'T

EXIST. TEMP. ESM'T

DRAINAGE AREA 5

ESA - See General Notes 'Environmental Resources Impact Table' for construction restrictions.

MATCHLINE STA 34+00.00
SEE DWG. NO. 53-011

MATCHLINE STA 124+50.00
SEE DWG. NO. 53-004

MATCHLINE STA 129+50.00
SEE DWG. NO. 53-006

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

EROSION CONTROL DRAINAGE AREA MAP

POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 53-005

12/14/2012 GPLN

4/3/2021 7:17:48 AM	GPLOT-V8	64007_53-006.dgn	COUNTY	CITY	PROJECT NUMBER
nbmorel	64007_DRNG and Erosion Control PTable.tbl		COBB	MARIETTA	282-2033-535.72-33

Total Project Area	Total Disturbed
17.57	13.31

ESA - See General Notes 'Environmental Resources Impact Table' for construction restrictions.

LIMIT OF CONSTRUCTION
CLUB DRIVE
STA 50+53.00

CLUB DRIVE

TEMP. ESM'T

ADJUST CB TO GRADE

POWDER SPRINGS STREET
STA 129+93.45 ±
CLUB DRIVE
STA 51+50.00

DRAINAGE AREA 6

CONVERT EXIST CB TO DI
ADJUST TO GRADE

TEMP. ESM'T

PERM. ESM'T

REQ'D R/W

EXIST. R/W

ADJUST TO GRADE

DRAINAGE AREA 5

ADJUST CB TO GRADE

TEMP. ESM'T

REQ'D R/W

ADJUST CB TO GRADE

ADJUST TO GRADE

ADJUST MH TO GRADE
REMOVE 18" CMP

CURVE #4

REMOVE 18" RCP
EXIST. PERM. ESM'T

CONST. ℄

POWDER SPRINGS STREET/SR 360

MATCHLINE STA 129+50.00
SEE DWG. NO. 53-005

MATCHLINE STA 135+25.00
SEE DWG. NO. 53-007

EXIST. R/W
EXIST. PERM. ESM'T
EXIST. TEMP. ESM'T

TEMP. ESM'T

POWDER SPRINGS STREET
STA 130+12.10 -
WEST DIXIE AVENUE
STA 60+00.00

LIMIT OF CONSTRUCTION
WEST DIXIE AVENUE
STA 61+40.00

WEST DIXIE AVENUE
CONST. ℄

CONCRETE SIDEWALK

DRAINAGE AREA 7

DRAINAGE AREA 5

EXIST. PERM. ESM'T

EXIST. TEMP. ESM'T

POWDER SPRINGS STREET
STA 134+48.44 ±
HEDGES STREET
STA 70+00.00

DRAINAGE AREA 6

DRAINAGE AREA 9

HEDGES STREET
CONST. ℄

EXIST. TEMP. ESM'T

EXIST. R/W

MATCHLINE STA 61+50.00
SEE DWG. NO. 53-012

MATCHLINE STA 71+50.00
SEE DWG. NO. 53-012

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

EROSION CONTROL
DRAINAGE AREA MAP

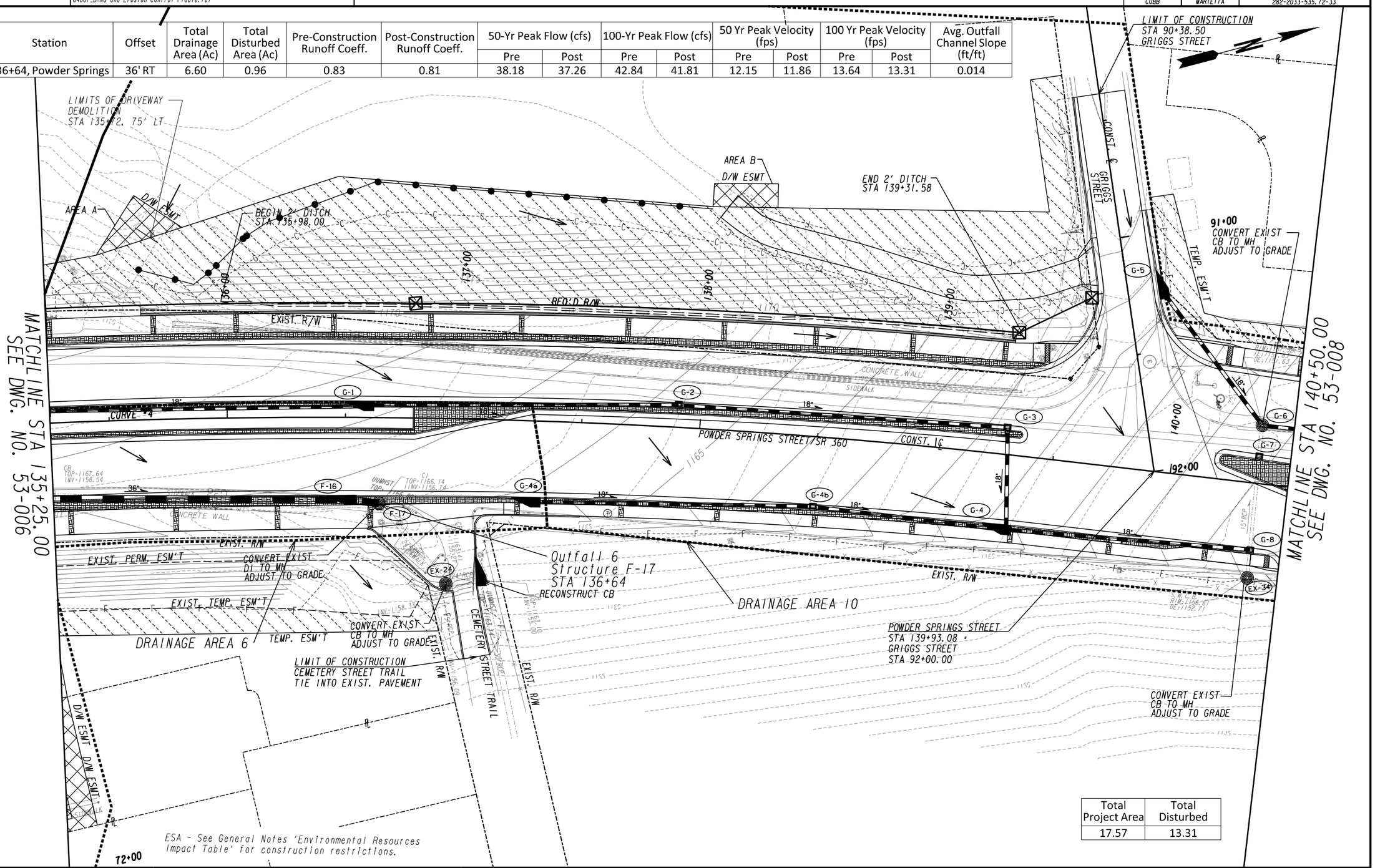
POWDER SPRINGS STREET
IMPROVEMENTS

DRAWING No.
53-006

12/14/2012 GPLN

COUNTY	CITY	PROJECT NUMBER
COBB	MARIETTA	282-2033-535.72-33

Outfall	Station	Offset	Total Drainage Area (Ac)	Total Disturbed Area (Ac)	Pre-Construction Runoff Coeff.	Post-Construction Runoff Coeff.	50-Yr Peak Flow (cfs)		100-Yr Peak Flow (cfs)		50 Yr Peak Velocity (fps)		100 Yr Peak Velocity (fps)		Avg. Outfall Channel Slope (ft/ft)
							Pre	Post	Pre	Post	Pre	Post	Pre	Post	
6	136+64, Powder Springs	36' RT	6.60	0.96	0.83	0.81	38.18	37.26	42.84	41.81	12.15	11.86	13.64	13.31	0.014



Total Project Area	Total Disturbed
17.57	13.31

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES		

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

EROSION CONTROL DRAINAGE AREA MAP

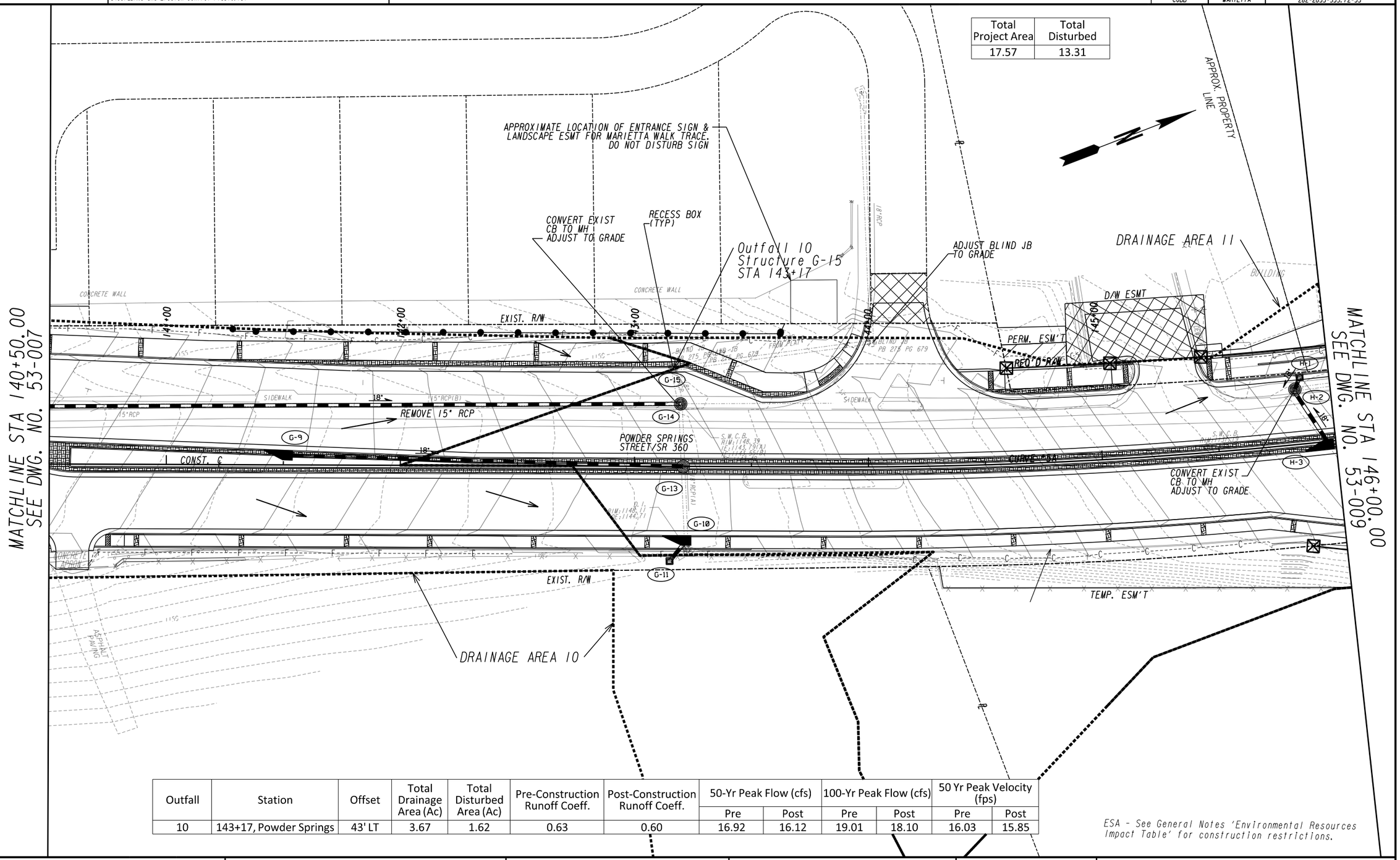
POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 53-007

12/14/2012 GPLN

COUNTY	CITY	PROJECT NUMBER
COBB	MARIETTA	282-2033-535.72-33

Total Project Area	Total Disturbed
17.57	13.31



Outfall	Station	Offset	Total Drainage Area (Ac)	Total Disturbed Area (Ac)	Pre-Construction Runoff Coeff.	Post-Construction Runoff Coeff.	50-Yr Peak Flow (cfs)		100-Yr Peak Flow (cfs)		50 Yr Peak Velocity (fps)	
							Pre	Post	Pre	Post	Pre	Post
10	143+17, Powder Springs	43' LT	3.67	1.62	0.63	0.60	16.92	16.12	19.01	18.10	16.03	15.85

ESA - See General Notes 'Environmental Resources Impact Table' for construction restrictions.

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

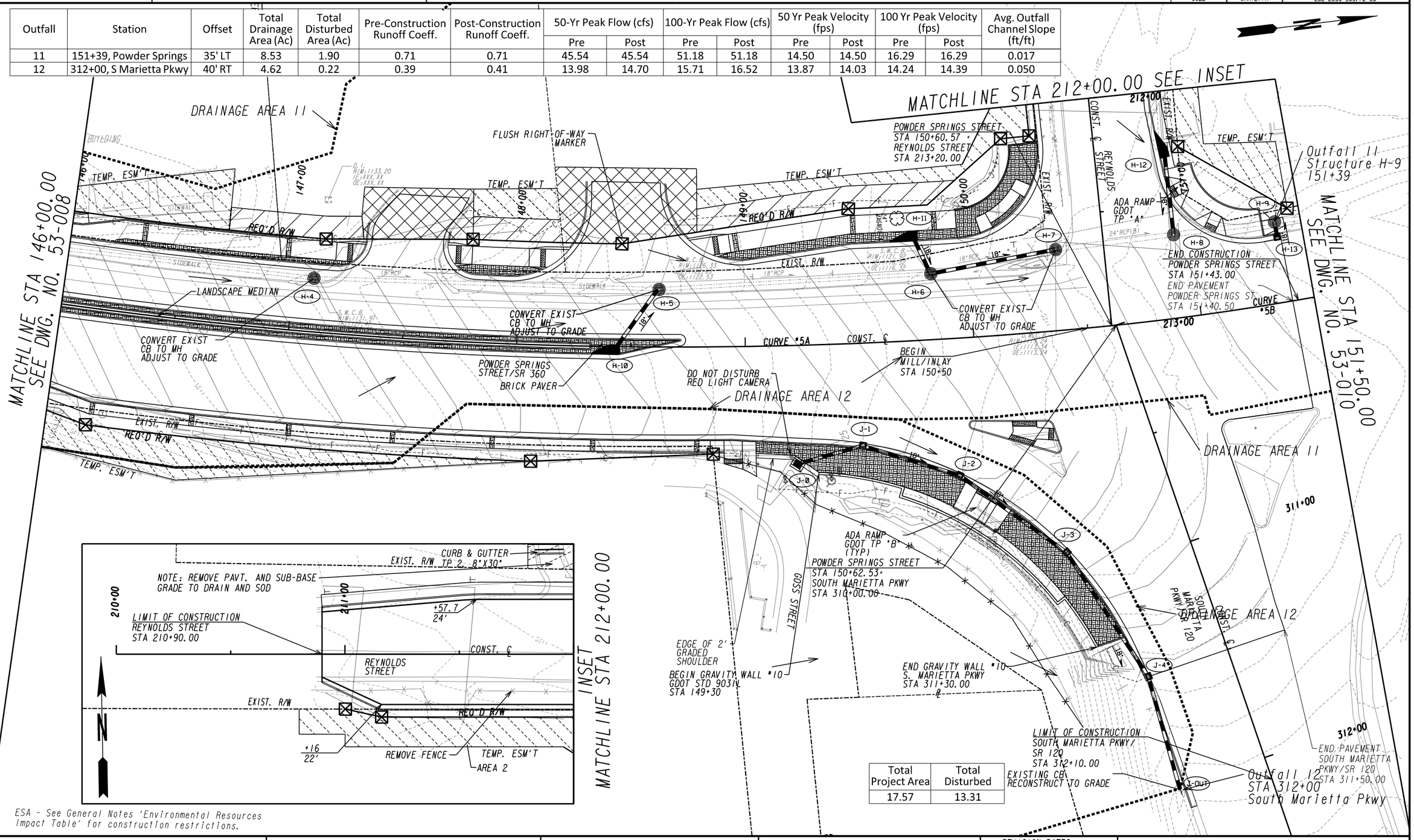
EROSION CONTROL DRAINAGE AREA MAP

POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 53-008

12/14/2012 GPLN

Outfall	Station	Offset	Total Drainage Area (Ac)	Total Disturbed Area (Ac)	Pre-Construction Runoff Coeff.	Post-Construction Runoff Coeff.	50-Yr Peak Flow (cfs)		100-Yr Peak Flow (cfs)		50 Yr Peak Velocity (fps)		100 Yr Peak Velocity (fps)		Avg. Outfall Channel Slope (ft/ft)
							Pre	Post	Pre	Post	Pre	Post	Pre	Post	
11	151+39, Powder Springs	35' LT	8.53	1.90	0.71	0.71	45.54	45.54	51.18	51.18	14.50	14.50	16.29	16.29	0.017
12	312+00, S Marietta Pkwy	40' RT	4.62	0.22	0.39	0.41	13.98	14.70	15.71	16.52	13.87	14.03	14.24	14.39	0.050



Total Project Area	Total Disturbed
17.57	13.31

ESA - See General Notes 'Environmental Resources Impact Table' for construction restrictions.

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

EROSION CONTROL DRAINAGE AREA MAP

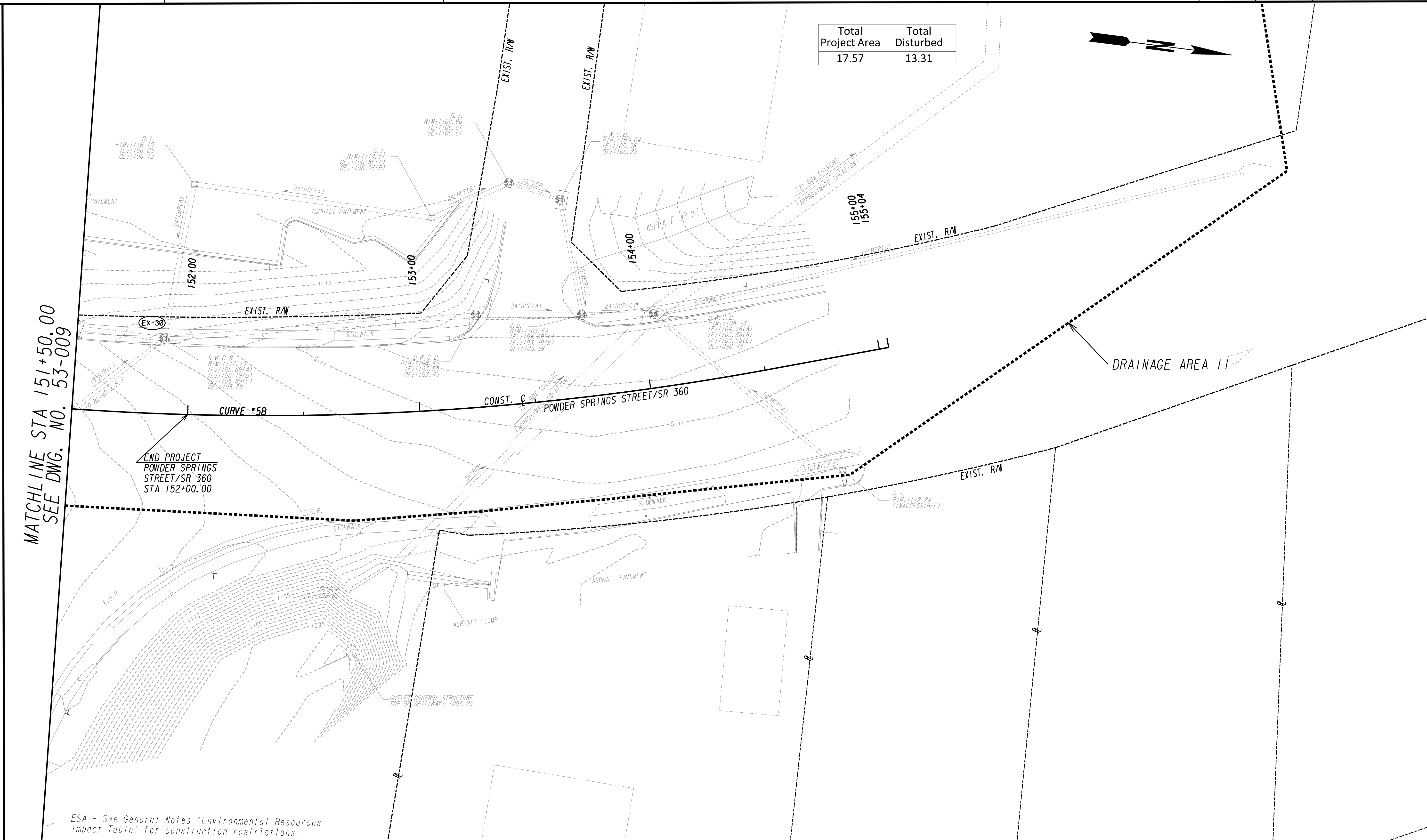
POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 53-009

12/14/2012 GPLN

COUNTY	CITY	PROJECT NUMBER
COBB	MARIETTA	282-2033-535.72-33

Total Project Area	Total Disturbed
17.57	13.31


N
EXIST. R/W
MATCHLINE STA 151+50.00
SEE DWG. NO. 53-009
D.I.
RIM:1116.10
IE:1106.25
OE:1106.12
D.I.
RIM:1114.51
OE:1106.86(A)
OE:1106.96(B)
D.I.
RIM:1108.96
IE:1106.81
OE:1106.61
S.W.C.B.
RIM:1109.04
IE:1105.38
OE:1105.28
24"RCP(A)
24"CMP(A)
24"RCP(B)
12"VCP
ASPHALT PAVEMENT
ASPHALT DRIVE
72" BOX CULVERT (APPROXIMATE LOCATION)
152+00
153+00
154+00
155+00
155+04
EX-30
SIDEWALK
E.O.P.
S.W.C.B.
RIM:1112.19
IE:1105.89(A)
IE:1106.19(B)
IE:1105.89(C)
OE:1105.79
D.W.C.B.
RIM:1108.45
IE:1103.55
OE:1103.45
J.B.
RIM:1108.59
IE:1104.09(A)
IE:1103.49(B)
OE:1103.39
D.W.C.B.
RIM:1108.18
IE:1104.18(A)
IE:1103.88(B)
IE:1103.58(C)
OE:1098.43
24"RCP(C)
15"RCP(B)
18"RCP(A)
18"RCP(C)
TO BLIND J.B.
CURVE #5B
CONST. ℄ POWDER SPRINGS STREET/SR 360
DRAINAGE AREA 11
END PROJECT
POWDER SPRINGS
STREET/SR 360
STA 152+00.00
36"RCP
D.I.
RIM:1112.24
(INACCESSIBLE)
36"RCP
F/L:1106.81
ASPHALT FLUME
OUTLET CONTROL STRUCTURE
TOP OF SPILLWAY: 1097.25
ESA - See General Notes 'Environmental Resources Impact Table' for construction restrictions.

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES		

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

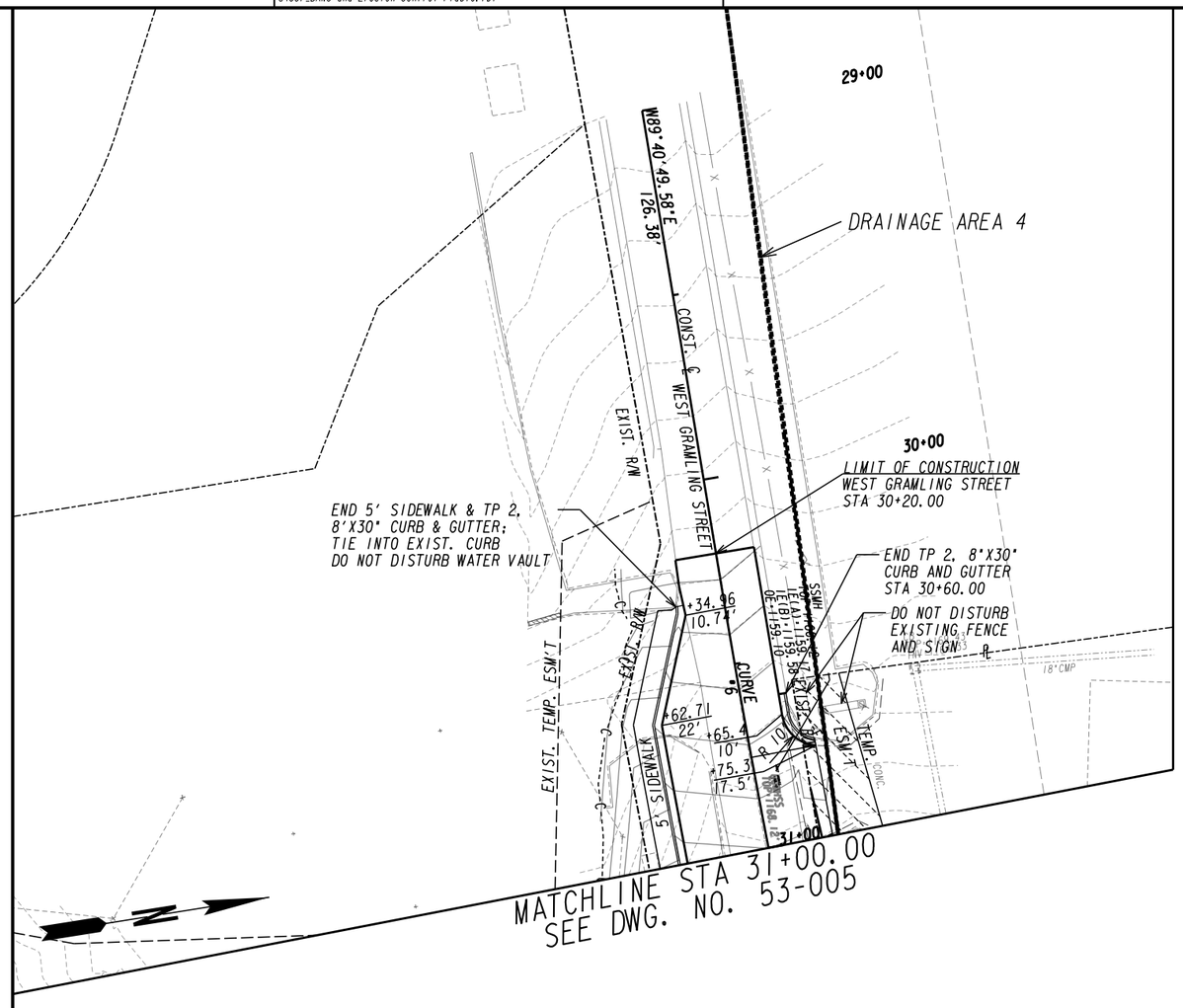
EROSION CONTROL
DRAINAGE AREA MAP

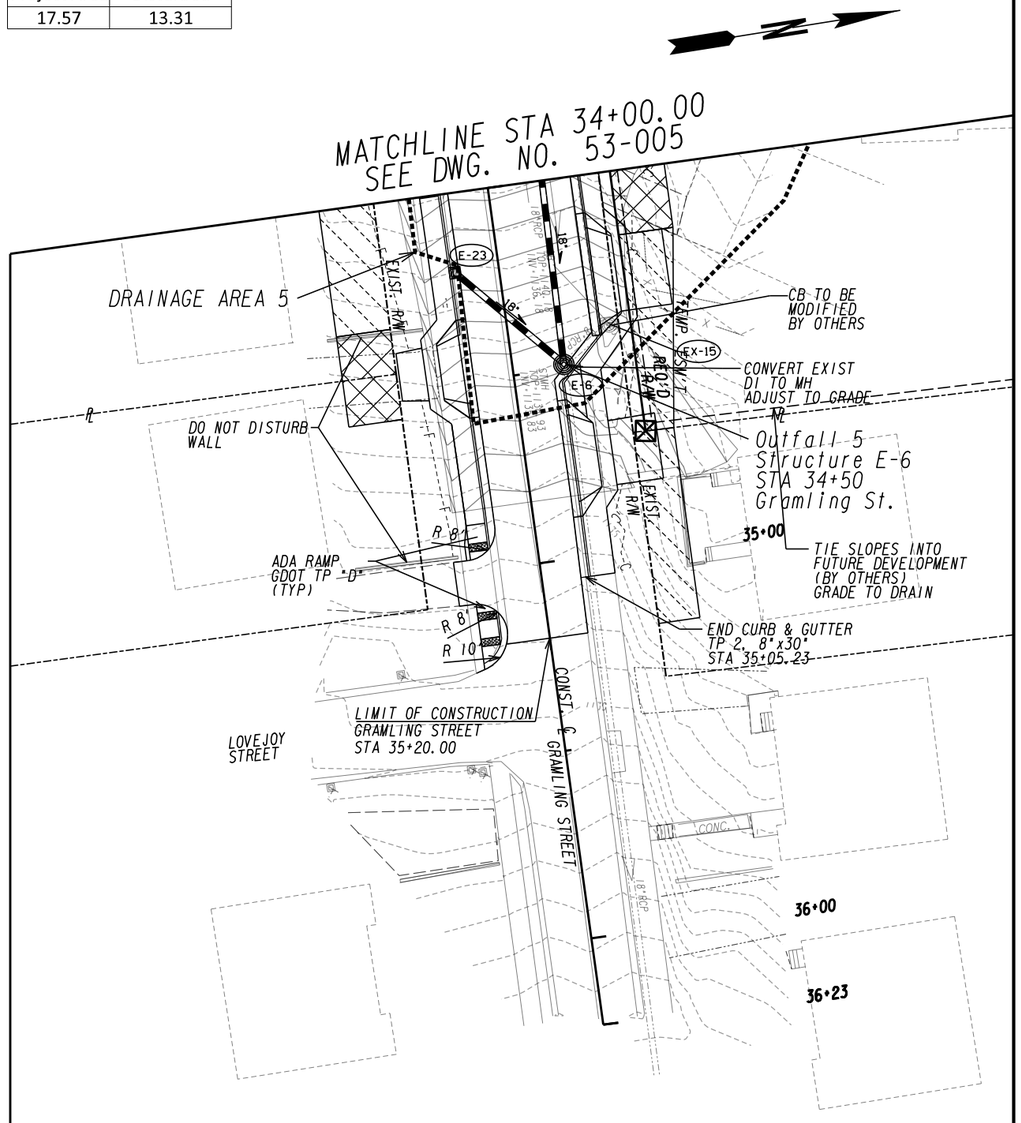
POWDER SPRINGS STREET
IMPROVEMENTS

DRAWING No. 53-010

COUNTY	CITY	PROJECT NUMBER
COBB	MARIETTA	282-2033-535.72-33

Total Project Area	Total Disturbed
17.57	13.31





ESA - See General Notes 'Environmental Resources Impact Table' for construction restrictions.

Outfall	Station	Offset	Total Drainage Area (Ac)	Total Disturbed Area (Ac)	Pre-Construction Runoff Coeff.	Post-Construction Runoff Coeff.	50-Yr Peak Flow (cfs)		100-Yr Peak Flow (cfs)		50 Yr Peak Velocity (fps)		100 Yr Peak Velocity (fps)		Avg. Outfall Channel Slope (ft/ft)
							Pre	Post	Pre	Post	Pre	Post	Pre	Post	
5	34+50, Gramling St	14' LT	6.06	1.78	0.60	0.70	26.18	30.54	29.42	34.32	19.57	19.87	19.84	20.18	0.086

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

EROSION CONTROL DRAINAGE AREA MAP

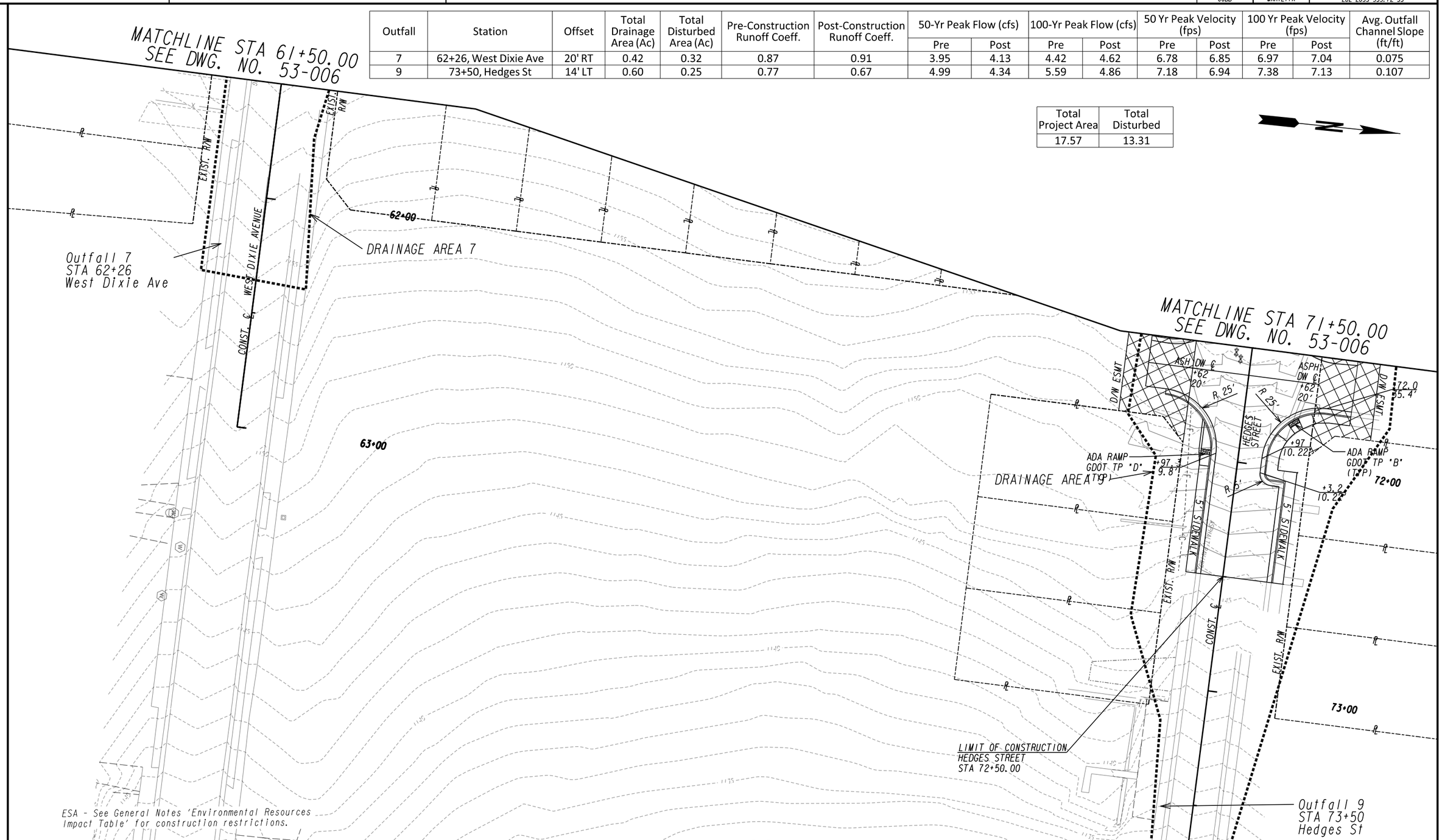
POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 53-011

12/14/2012 GPLN

Outfall	Station	Offset	Total Drainage Area (Ac)	Total Disturbed Area (Ac)	Pre-Construction Runoff Coeff.	Post-Construction Runoff Coeff.	50-Yr Peak Flow (cfs)		100-Yr Peak Flow (cfs)		50 Yr Peak Velocity (fps)		100 Yr Peak Velocity (fps)		Avg. Outfall Channel Slope (ft/ft)
							Pre	Post	Pre	Post	Pre	Post	Pre	Post	
7	62+26, West Dixie Ave	20' RT	0.42	0.32	0.87	0.91	3.95	4.13	4.42	4.62	6.78	6.85	6.97	7.04	0.075
9	73+50, Hedges St	14' LT	0.60	0.25	0.77	0.67	4.99	4.34	5.59	4.86	7.18	6.94	7.38	7.13	0.107

Total Project Area	Total Disturbed
17.57	13.31



ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES		

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

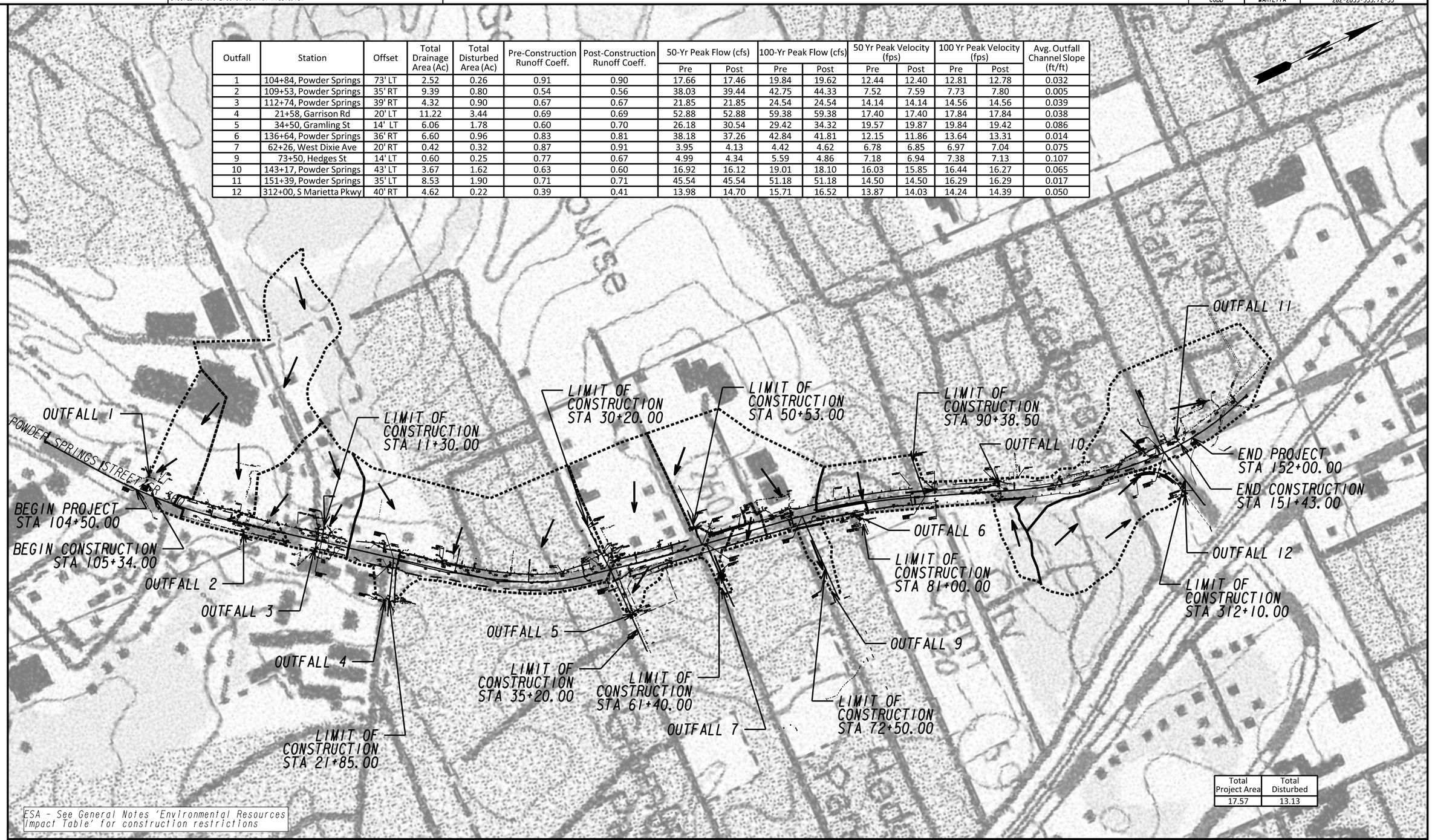
EROSION CONTROL DRAINAGE AREA MAP

POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 53-012

12/14/2012 GPLN

Outfall	Station	Offset	Total Drainage Area (Ac)	Total Disturbed Area (Ac)	Pre-Construction Runoff Coeff.	Post-Construction Runoff Coeff.	50-Yr Peak Flow (cfs)		100-Yr Peak Flow (cfs)		50 Yr Peak Velocity (fps)		100 Yr Peak Velocity (fps)		Avg. Outfall Channel Slope (ft/ft)
							Pre	Post	Pre	Post	Pre	Post	Pre	Post	
1	104+84, Powder Springs	73' LT	2.52	0.26	0.91	0.90	17.66	17.46	19.84	19.62	12.44	12.40	12.81	12.78	0.032
2	109+53, Powder Springs	35' RT	9.39	0.80	0.54	0.56	38.03	39.44	42.75	44.33	7.52	7.59	7.73	7.80	0.005
3	112+74, Powder Springs	39' RT	4.32	0.90	0.67	0.67	21.85	21.85	24.54	24.54	14.14	14.14	14.56	14.56	0.039
4	21+58, Garrison Rd	20' LT	11.22	3.44	0.69	0.69	52.88	52.88	59.38	59.38	17.40	17.40	17.84	17.84	0.038
5	34+50, Gramling St	14' LT	6.06	1.78	0.60	0.70	26.18	30.54	29.42	34.32	19.57	19.87	19.84	19.42	0.086
6	136+64, Powder Springs	36' RT	6.60	0.96	0.83	0.81	38.18	37.26	42.84	41.81	12.15	11.86	13.64	13.31	0.014
7	62+26, West Dixie Ave	20' RT	0.42	0.32	0.87	0.91	3.95	4.13	4.42	4.62	6.78	6.85	6.97	7.04	0.075
9	73+50, Hedges St	14' LT	0.60	0.25	0.77	0.67	4.99	4.34	5.59	4.86	7.18	6.94	7.38	7.13	0.107
10	143+17, Powder Springs	43' LT	3.67	1.62	0.63	0.60	16.92	16.12	19.01	18.10	16.03	15.85	16.44	16.27	0.065
11	151+39, Powder Springs	35' LT	8.53	1.90	0.71	0.71	45.54	45.54	51.18	51.18	14.50	14.50	16.29	16.29	0.017
12	312+00, S Marietta Pkwy	40' RT	4.62	0.22	0.39	0.41	13.98	14.70	15.71	16.52	13.87	14.03	14.24	14.39	0.050



Total Project Area	Total Disturbed
17.57	13.13

ESA - See General Notes 'Environmental Resources Impact Table' for construction restrictions

SCALE IN FEET
0 200 400 800

REVISION DATES

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

EROSION CONTROL
DRAINAGE AREA MAP

POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 53-013

12/14/2012 GPLN

4/3/2021 7:53:49 AM	GPLOT-V8	64007_54-001.dgn	COUNTY	CITY	PROJECT NUMBER
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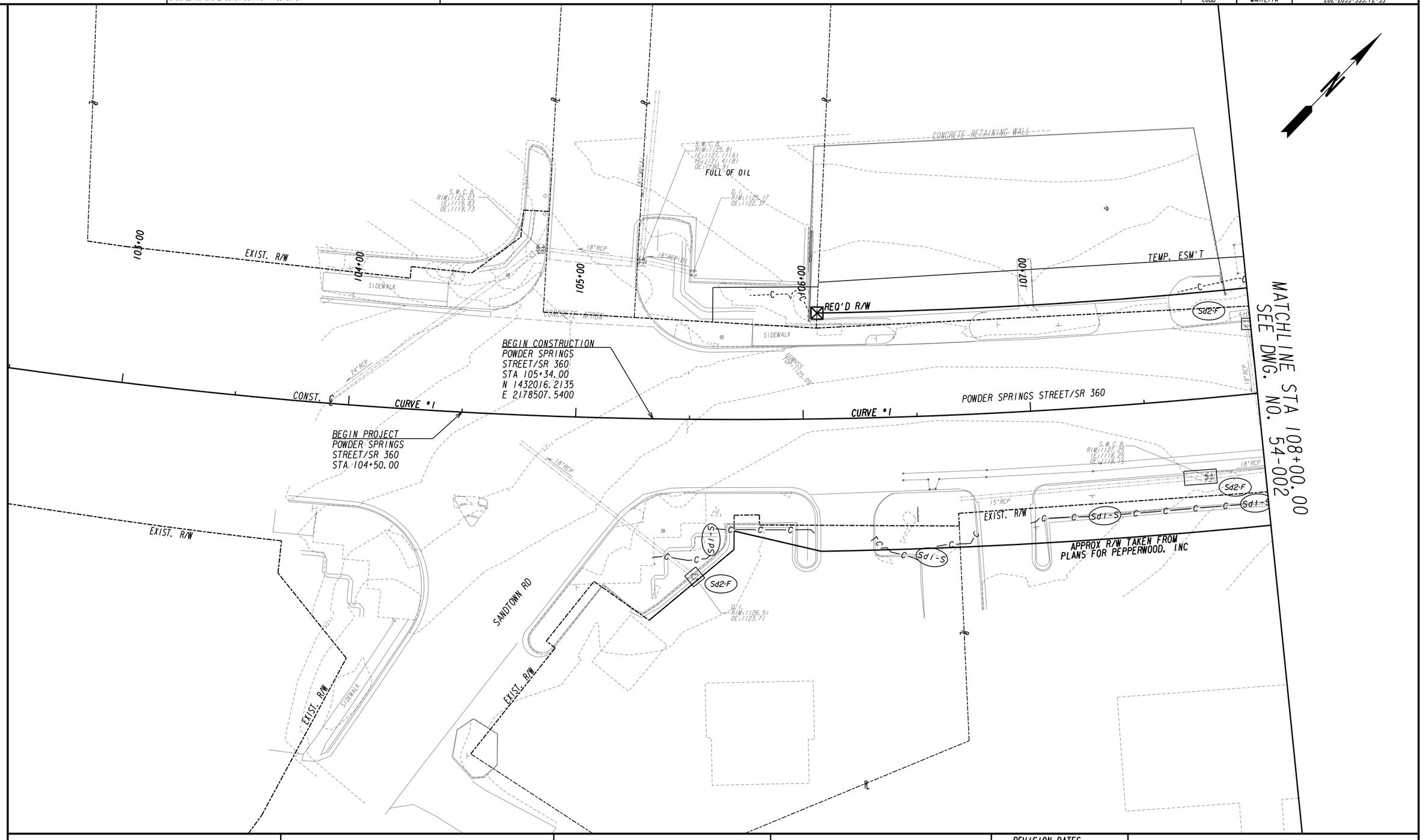


PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
REQ'D LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES

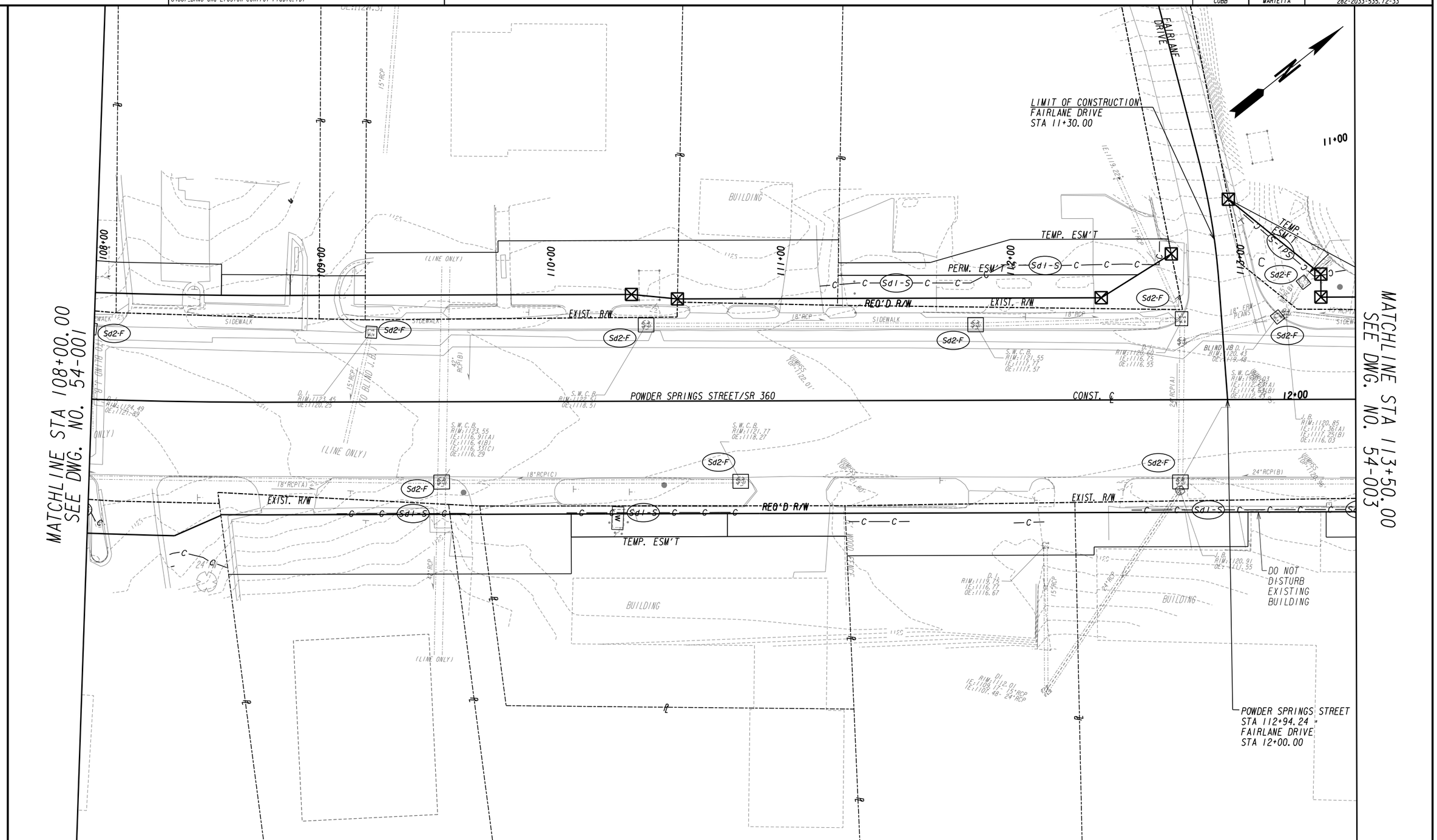
CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

INITIAL PHASE BMP LOCATION DETAILS
STAGE 1A CLEARING & GRUBBING

POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 54-001

12/14/2012 GPLN



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
REQ'D LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

INITIAL PHASE BMP LOCATION DETAILS STAGE 1A CLEARING & GRUBBING

POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 54-002

12/14/2012 GPLN

MATCHLINE STA 113+50.00
SEE DWG. NO. 54-002

MATCHLINE STA 119+00.00
SEE DWG. NO. 54-004

POWDER SPRINGS STREET
STA 116+16.90 =
GARRISON ROAD
STA 20+00.00

CONCRETE PAVEMENT

POWDER SPRINGS STREET/SR 360

CONST. ℄ 20+00

POWDER SPRINGS STREET/SR 360

114+00 | 115+00 | 116+00 | 117+00 | 118+00 | 119+00

TEMP. ESM'T | REQ'D R/W | EXIST. R/W | D/W ESMT | EXIST. TEMP. ESM'T | EXIST. PERM. ESM'T | EXIST. R/W

Sd2-F | Sd1-S | Sd1

D.I. RIM:1118.87 FULL OF SILT

D.W.C.B. RIM:1120.79 OE:1117.94

J.B. RIM:1122.50 OE:1118.20

D.W.C.B. RIM:1120.73 IE:1117.53 OE:1117.43

D.W.C.B. RIM:1120.36 IE:1115.86(A) IE:1115.86(B) OE:1115.89

S.W.C.B. RIM:1121.94 IE:1116.14 OE:1116.14

S.W.C.B. RIM:1124.97 IE:1119.17(A) IE:1119.24(B) OE:1118.97

D.I. RIM:1122.54 OE:1119.64

15"RCP | 30"RCP(A) | 30"RCP(B) | 24"RCP | 18"RCP(B)

SIDEWALK | E.O.P. | ASPHALT PAVING CUT | ASPHALT DRIVE

D.W.C.B. RIM:1120.68 OE:1116.48

24"RCP

D.W.C.B. RIM:1119.99 IE:INACCESSIBLE PIPE FULL OF DEBRIS OE:1117.43

ODI TOP:1117.14' INV:1110.24' NOTE: BOTTOM OF STRUCTURE IS SILTED

24"RCP FRM PLANS | 30"CMP FRM PLANS

BLIND J.B.

EXIST. R/W | REQ'D R/W | TEMP. ESM'T | D/W ESM'T | ASPHALT PAVEMENT

CONC. SIDEWALK | BUILDING | CONC.

AREA B | AREA A

GARRISON ROAD

D.W.C.B. RIM:1117.43 IE:1110.82(A) IE:1110.34(B) IE:1110.23(C) IE:1110.13(D)

EXISTING TO REMAIN:
2" PLASTIC GAS MAIN
NOP: 45 PSIG

LIMIT OF CONSTRUCTION
GARRISON ROAD
STA 22+00.00

22+00

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
REQ'D LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

INITIAL PHASE BMP LOCATION DETAILS STAGE 1A CLEARING & GRUBBING

POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 54-003

12/14/2012 GPLN

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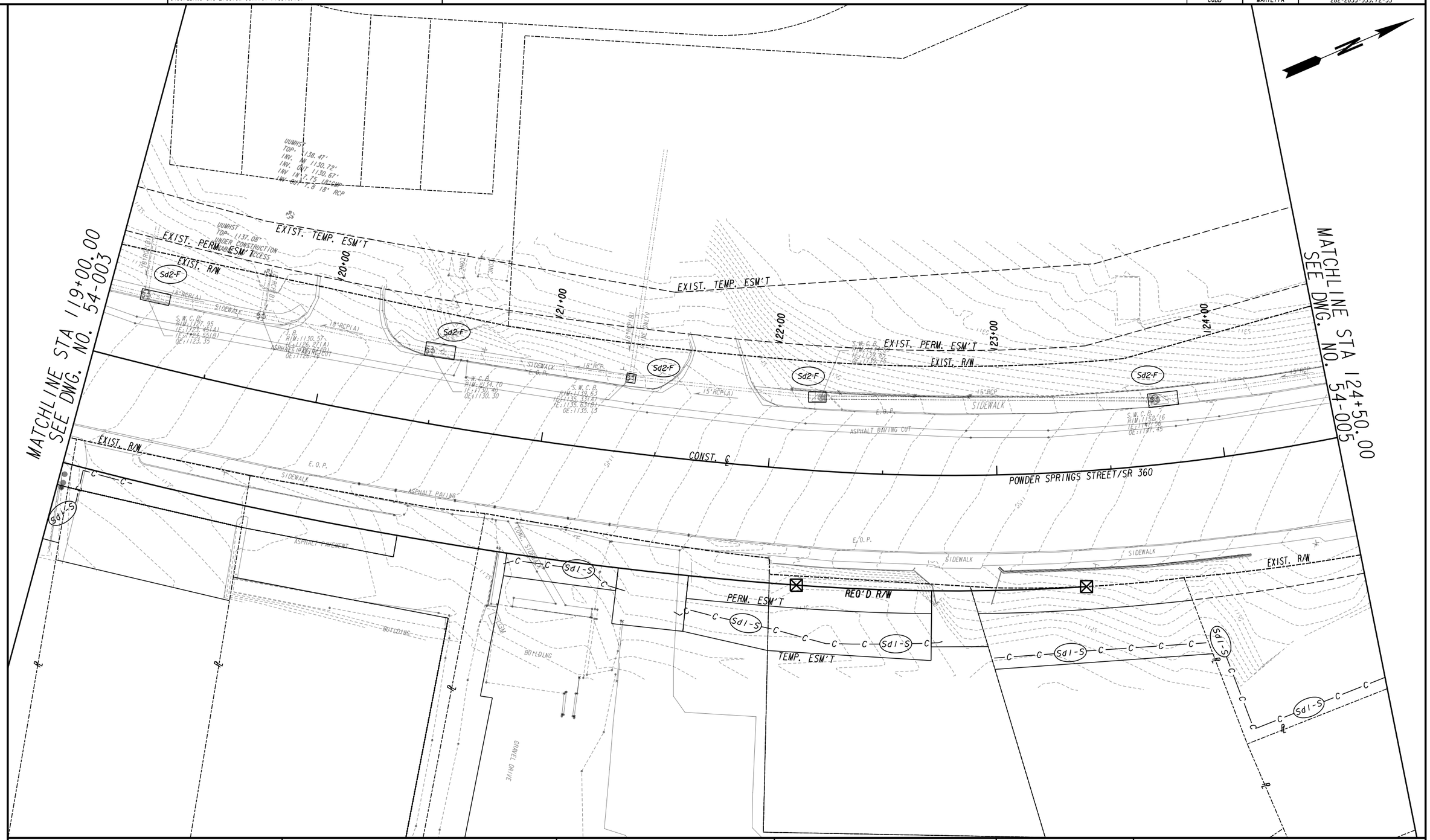

PROPERTY AND EXISTING R/W LINE	P
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	C F
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
REQ'D LIMIT OF ACCESS	
REQ'D LIMIT OF ACCESS & R/W	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

INITIAL PHASE BMP LOCATION DETAILS STAGE 1A CLEARING & GRUBBING

POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 54-004

12/14/2012 GPLN

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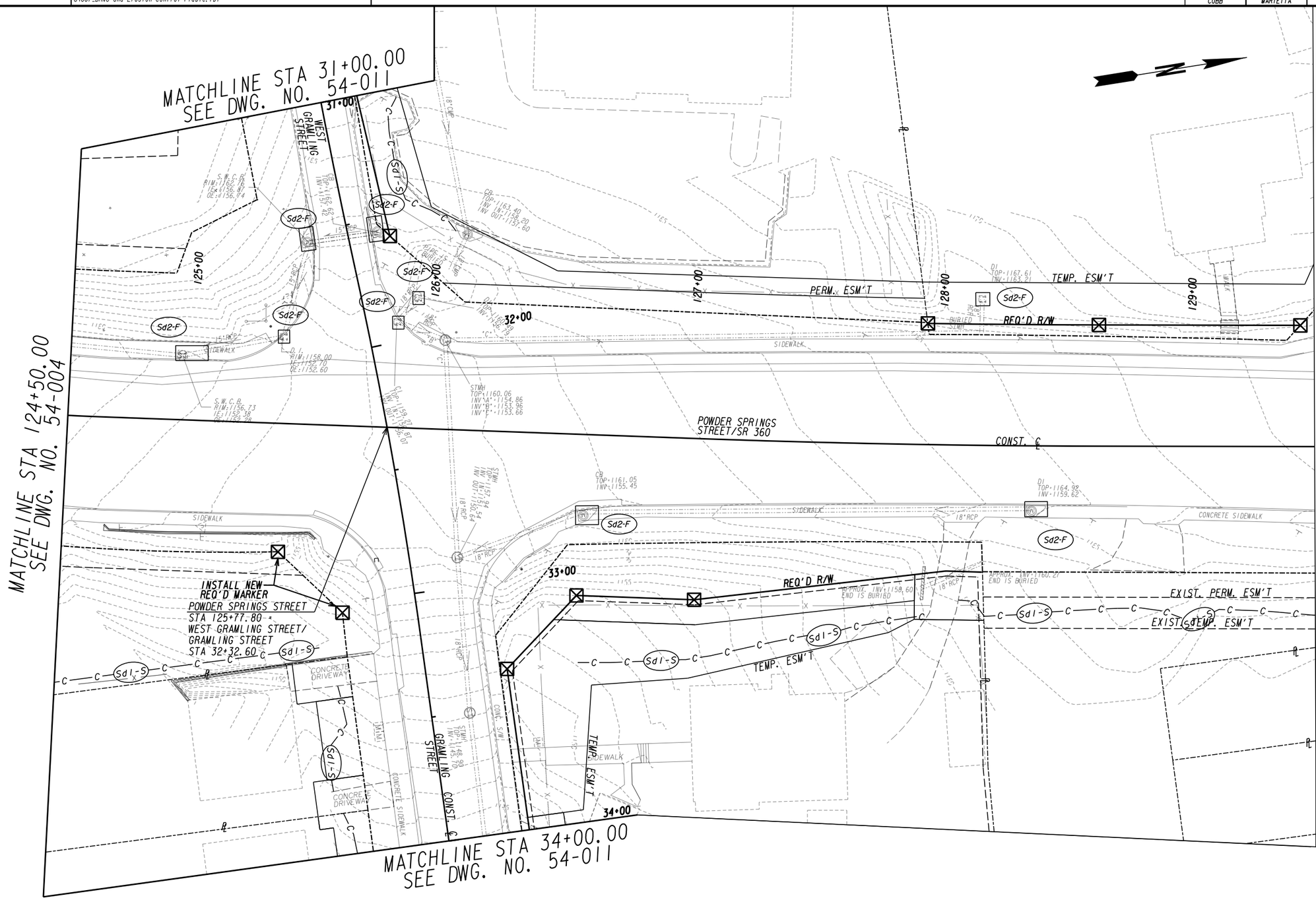


PROPERTY AND EXISTING R/W LINE	------℄------
REQUIRED R/W LINE	⊠
CONSTRUCTION LIMITS	—C—F—
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA	
END LIMIT OF ACCESS.....ELA	
REQ'D LIMIT OF ACCESS	
REQ'D LIMIT OF ACCESS & R/W	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

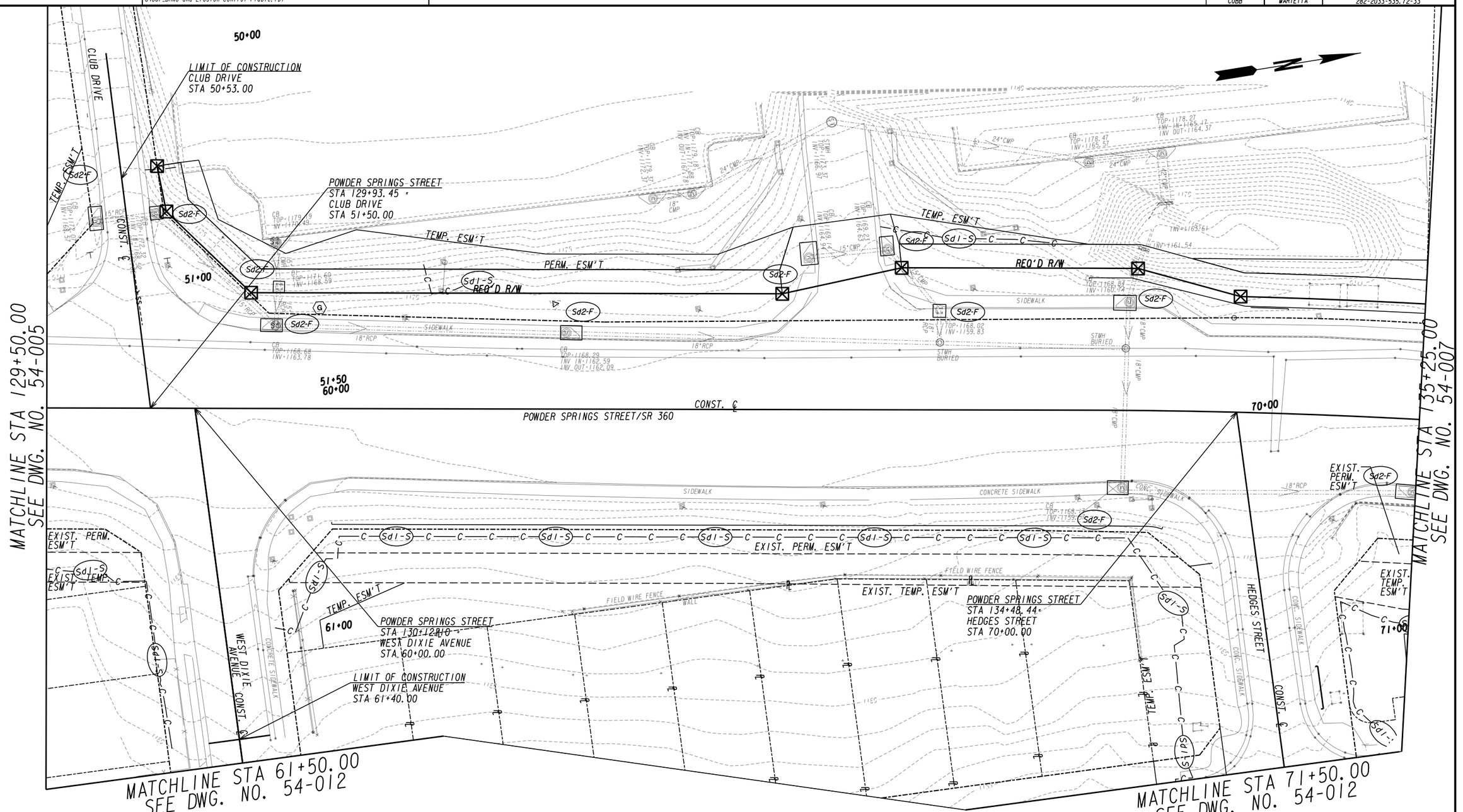
INITIAL PHASE BMP LOCATION DETAILS STAGE 1A CLEARING & GRUBBING

POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 54-005

12/14/2012 GPLN

4/3/2021 7:55:00 AM	GPLOT-V8	64007_54-006.dgn	COUNTY	CITY	PROJECT NUMBER
nbmorel	64007_DRNG and Erosion Control PTable.tbl		COBB	MARIETTA	282-2033-535.72-33



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
REQ'D LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80
SCALE IN FEET
0 20 40 80

REVISION DATES

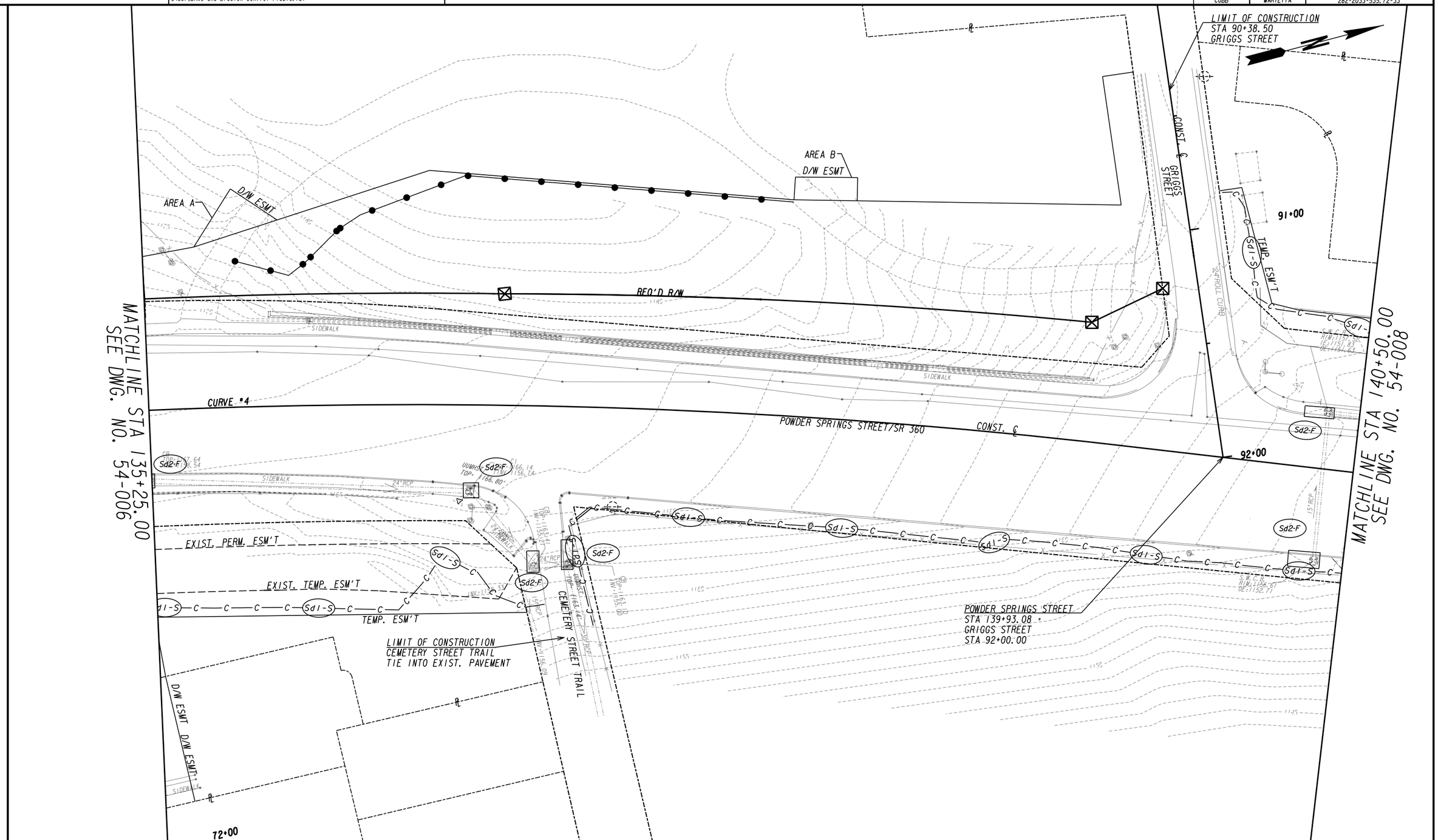
CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

INITIAL PHASE BMP LOCATION DETAILS
STAGE 1A CLEARING & GRUBBING

POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 54-006

12/14/2012 GPLN



PROPERTY AND EXISTING R/W LINE	------℄------
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	--C--F--
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
REQ'D LIMIT OF ACCESS	
REQ'D LIMIT OF ACCESS & R/W	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

INITIAL PHASE BMP LOCATION DETAILS STAGE 1A CLEARING & GRUBBING

POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 54-007

12/14/2012 GPLN

4/3/2021	7:55:31 AM	GPLOT-V8	64007_54-008.dgn	COUNTY	CITY	PROJECT NUMBER
nbmorel		64007_DRNG and Erosion Control PTable.tbl		COBB	MARIETTA	282-2033-535.72-33

MATCHLINE STA 140+50.00
SEE DWG. NO. 54-007

MATCHLINE STA 146+00.00
SEE DWG. NO. 54-009

APPROX. PROPERTY LINE

EXIST. R/W

D/W ESMT

PERM. ESM'T

REQ'D R/W

BUILDING

SIDEWALK

15"RCP

15"RCP(B)

18"RCP

POWDER SPRINGS STREET/SR 360

CONST. ℄

CURVE #5A

S.W.C.B. RIM:1148.39 IE:1143.79(A) IE:1143.55(B) OE:1143.49

S.W.C.B. RIM:1137.79 OE:1132.29

D.I. RIM:1148.11 OE:1144.71

5' WROUGHT IRON

ASPHALT PAVING

TEMP. ESM'T

Sd1-S

Sd1

Sd2-F

S1

S2

S3

BLIND JB PB 275 PG 679

PROPERTY AND EXISTING R/W LINE	BEGIN LIMIT OF ACCESS.....BLA
REQUIRED R/W LINE	END LIMIT OF ACCESS.....ELA
CONSTRUCTION LIMITS	REQ'D LIMIT OF ACCESS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	REQ'D LIMIT OF ACCESS & R/W
EASEMENT FOR CONSTR OF SLOPES	ORANGE BARRIER FENCE
EASEMENT FOR CONSTR OF DRIVES	ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

INITIAL PHASE BMP LOCATION DETAILS
STAGE 1A CLEARING & GRUBBING

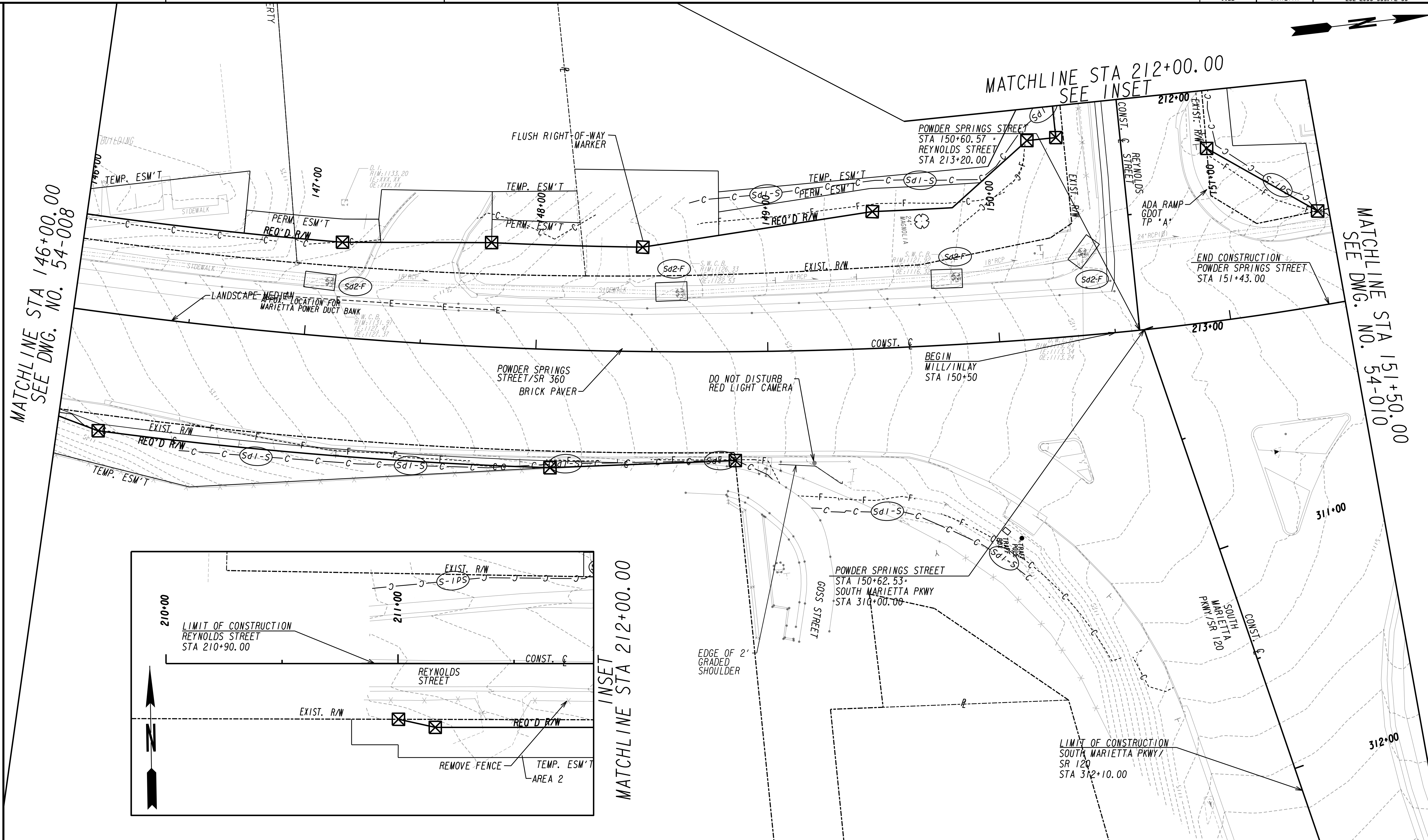
POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 54-008

12/14/2012 GPLN

4/3/2021 7:56:07 AM | GPLOT-V8 | 64007_54-009.dgn
nbmorel | 64007_DRNG and Erosion Control PTable.tbl

COUNTY	CITY	PROJECT NUMBER
COBB	MARIETTA	282-2033-535.72-33



MATCHLINE STA 212+00.00
SEE INSET
MATCHLINE STA 146+00.00
SEE DWG. NO. 54-008
MATCHLINE STA 151+50.00
SEE DWG. NO. 54-010
FLUSH RIGHT-OF-WAY MARKER
TEMP. ESM'T
PERM. ESM'T
REQ'D R/W
EXIST. R/W
BUILDING
SIDEWALK
LANDSCAPE MEDIAN
APPROX. LOCATION FOR MARIETTA POWER DUCT BANK
D.I. RIM:1133.20 IE:XXX.XX OE:XXX.XX
S.W.C.B. RIM:1131.97 IE:1127.47 OE:1127.37
S.W.C.B. RIM:1126.33 IE:1122.63 OE:1122.53
S.W.C.B. RIM:1121.92 IE:1116.52 OE:1116.32
D.W.C.B. RIM:1119.24 IE:1113.34 OE:1113.24
18"RCP
24"RCP(B)
24" MAGNOLIA
147+00
148+00
149+00
150+00
212+00
213+00
151+00
311+00
312+00
CONST. ℄
POWDER SPRINGS STREET/SR 360
BRICK PAVER
DO NOT DISTURB RED LIGHT CAMERA
BEGIN MILL/INLAY STA 150+50
POWDER SPRINGS STREET STA 150+60.57 = REYNOLDS STREET STA 213+20.00
CONST. ℄ REYNOLDS STREET
ADA RAMP GDOT TP 'A'
END CONSTRUCTION POWDER SPRINGS STREET STA 151+43.00
POWDER SPRINGS STREET STA 150+62.53= SOUTH MARIETTA PKWY STA 310+00.00
GOSS STREET
EDGE OF 2' GRADED SHOULDER
TRAFF POLE
TRAFF BOX
SOUTH MARIETTA PKWY/SR 120
LIMIT OF CONSTRUCTION SOUTH MARIETTA PKWY/ SR 120 STA 312+10.00
Sd1-S
Sd2-F
S-1PS
Sd1
INSET
MATCHLINE STA 212+00.00
210+00
211+00
LIMIT OF CONSTRUCTION REYNOLDS STREET STA 210+90.00
REYNOLDS STREET
REMOVE FENCE
AREA 2
N

PROPERTY AND EXISTING R/W LINE		BEGIN LIMIT OF ACCESS............BLA	
REQUIRED R/W LINE		END LIMIT OF ACCESS.............ELA	
CONSTRUCTION LIMITS	C F	REQ'D LIMIT OF ACCESS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES		REQ'D LIMIT OF ACCESS & R/W	
EASEMENT FOR CONSTR OF SLOPES		ORANGE BARRIER FENCE	
EASEMENT FOR CONSTR OF DRIVES		ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

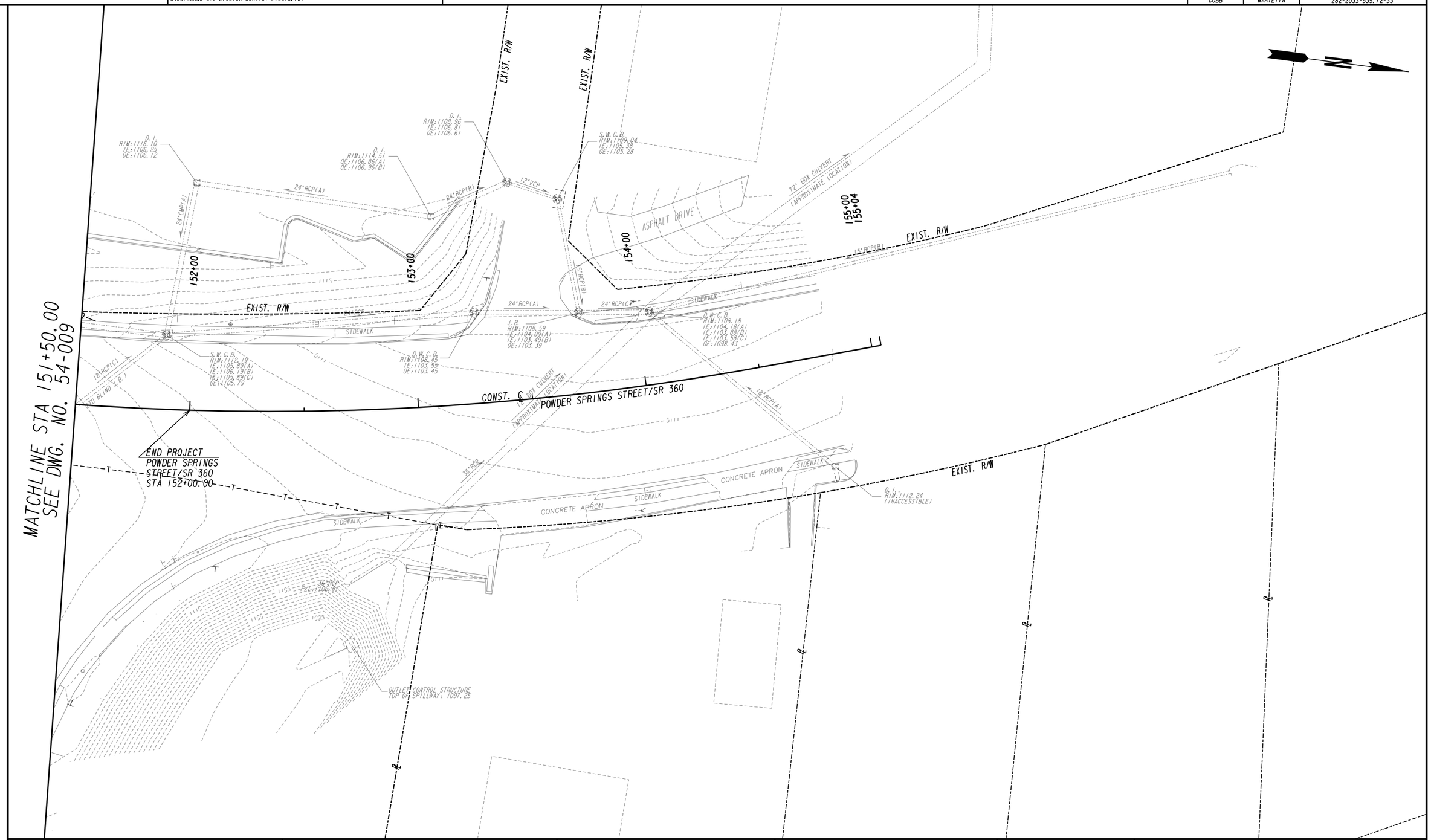
INITIAL PHASE BMP LOCATION DETAILS
STAGE 1A CLEARING & GRUBBING

POWDER SPRINGS STREET
IMPROVEMENTS

DRAWING No. 54-009

12/14/2012 GPLN

4/3/2021 7:56:22 AM nbmorel	GPLOT-V8 64007_DRNG and Erosion Control PTable.tbl	64007_54-010.dgn	COUNTY	CITY	PROJECT NUMBER
			COBB	MARIETTA	282-2033-535.72-33



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
REQ'D LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

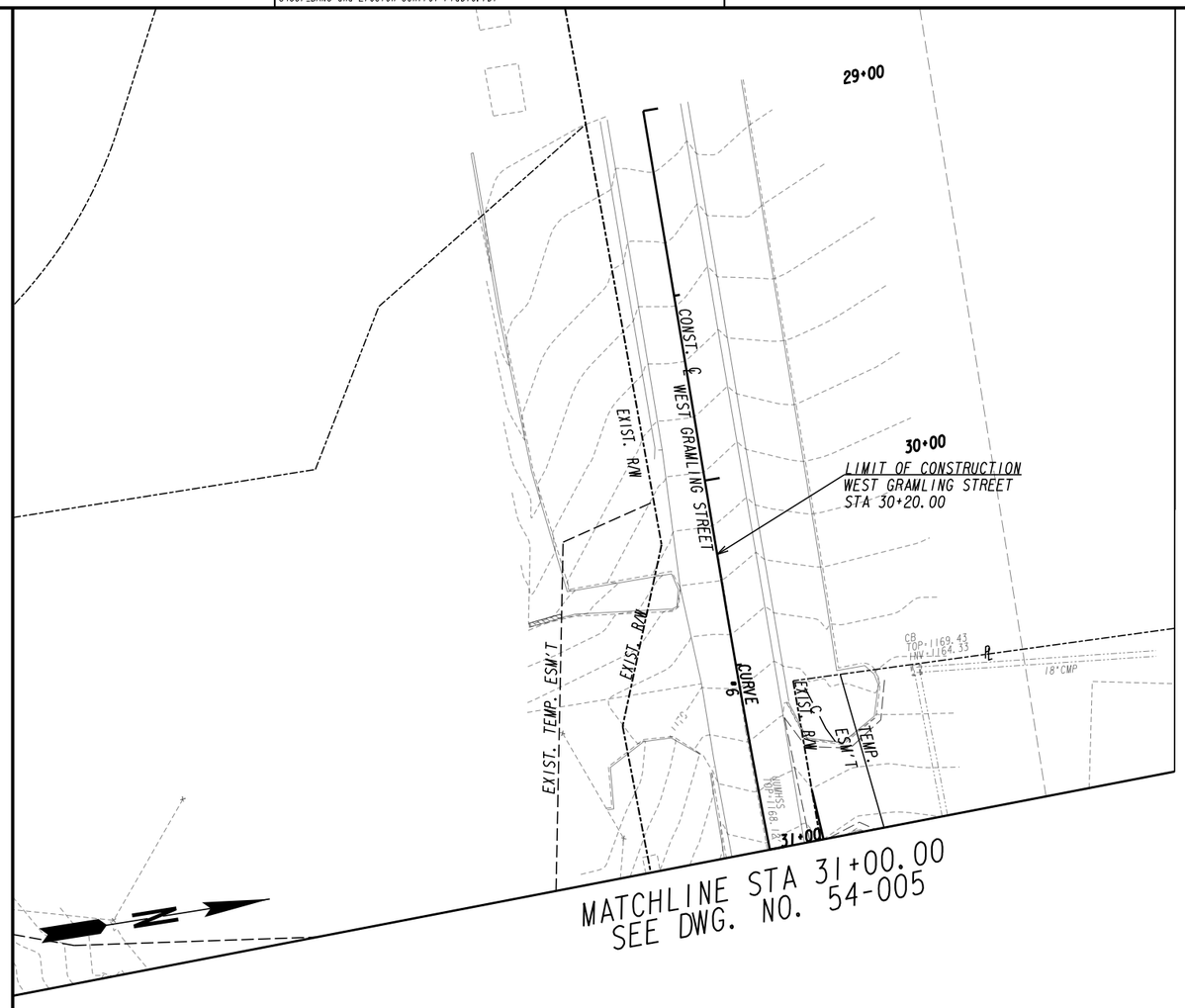
INITIAL PHASE BMP LOCATION DETAILS STAGE 1A CLEARING & GRUBBING

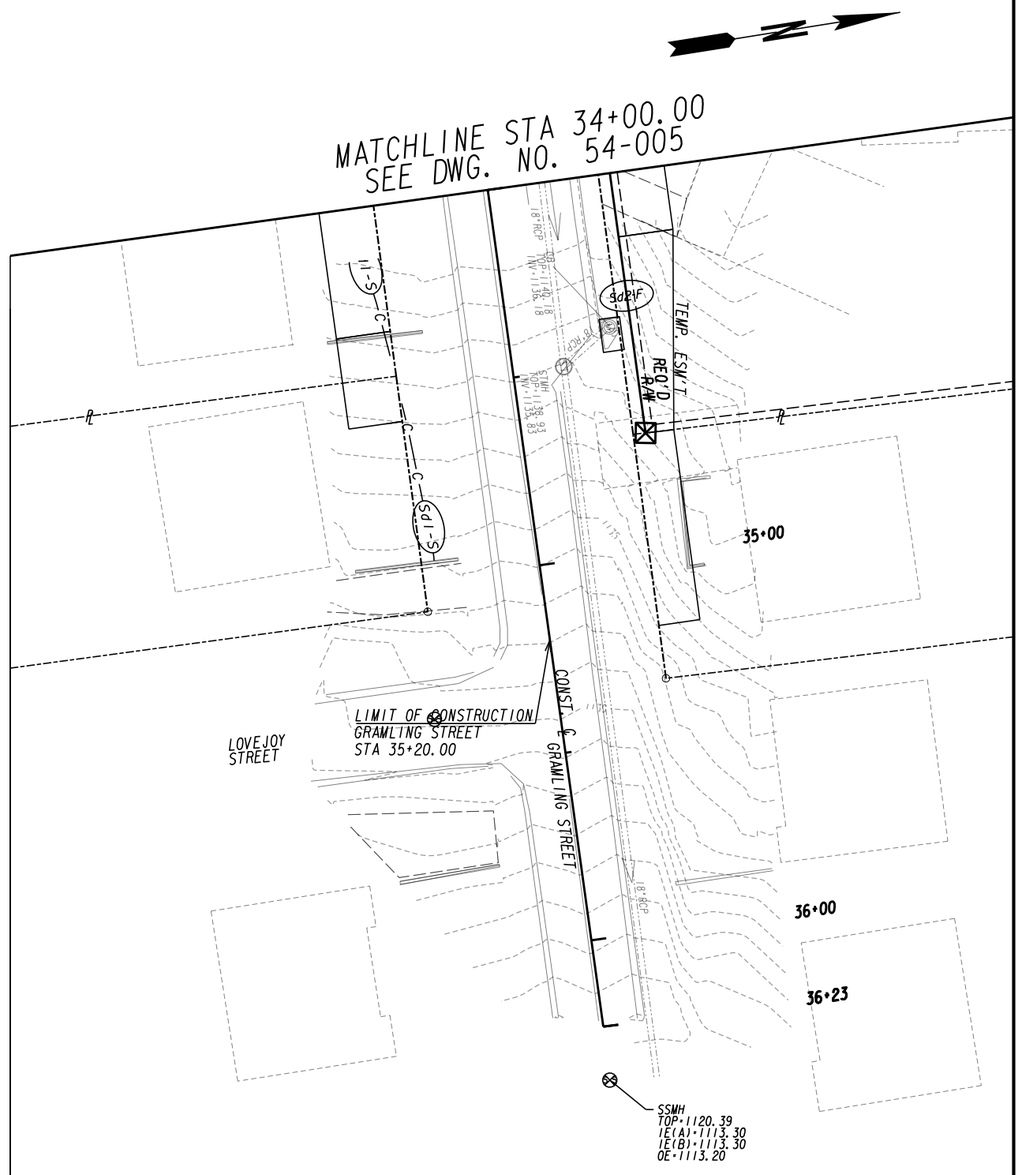
POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 54-010

12/14/2012 GPLN

4/3/2021 7:56:55 AM	GPLOT-V8	64007_54-011.dgn	COUNTY	CITY	PROJECT NUMBER
nbmorel	64007_DRNG and Erosion Control PTable.tbl		COBB	MARIETTA	282-2033-535.72-33





PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
REQ'D LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 200 400 800

REVISION DATES		

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

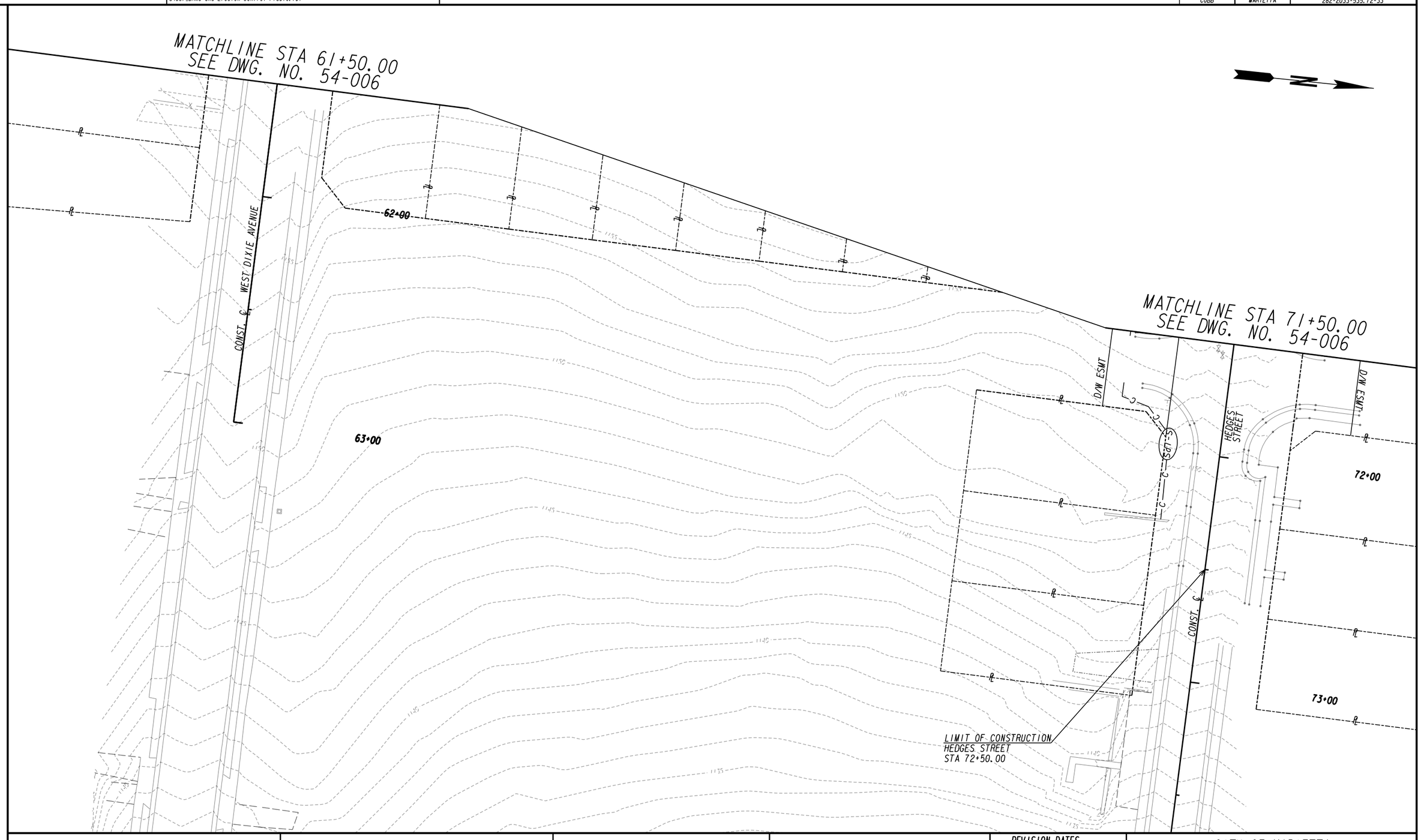
INITIAL PHASE BMP LOCATION DETAILS STAGE 1A CLEARING & GRUBBING

POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 54-011

12/14/2012 GPLN

4/3/2021 7:57:13 AM	GPLOT-V8	64007_54-012.dgn	COUNTY	CITY	PROJECT NUMBER
nbmorel	64007_DRNG and Erosion Control PTable.tbl		COBB	MARIETTA	282-2033-535.72-33



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
REQ'D LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

INITIAL PHASE BMP LOCATION DETAILS STAGE 1A CLEARING & GRUBBING

POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 54-012

12/14/2012 GPLN

4/3/2021	7:57:32 AM	GPLOT-V8	64007_54-013.dgn	COUNTY	CITY	PROJECT NUMBER
nbmorel		64007_STE1 PTable.tbl		COBB	MARIETTA	282-2033-535.72-33

LEGEND

1 PAVEMENT REMOVAL

2 TEMPORARY CONSTRUCTION PAVEMENT

3 PERMANENT CONSTRUCTION

4 MILL & OVERLAY CONSTRUCTION

OPEN LANES OF TRAFFIC

TEMPORARY BARRICADES

STAGING NOTES

1. ESTABLISH A WORKZONE SPEED LIMIT.
2. CONSTRUCT AND MAINTAIN TEMPORARY BARRIERS UNTIL ALL UTILITY RELOCATION ARE COMPLETED.
3. WHEN APPLICABLE, SHIFT TRAFFIC TO PERMANENT TRAFFIC PATTERN FOR ALL ROADWAYS.
4. MAINTAINING EXISTING TRAFFIC PATTERNS, CONSTRUCT PERMANENT CONSTRUCTION ITEMS ASSOCIATED WITH THE NORTHBOUND/RIGHT SIDE OF THE ROADWAY UNDER DAILY LANE CLOSURES.
5. CLOSE AND CONSTRUCT GRAWLING STREET AND HEDGES STREET. SEE DETOUR PLANS

MATCHLINE STA 108+00.00
SEE DWG. NO. 54-014

BEGIN CONSTRUCTION
POWDER SPRINGS
STREET/SR 360
STA 105+34.00
N 1432016.2135
E 2178507.5400

BEGIN PROJECT
POWDER SPRINGS
STREET/SR 360
STA 104+50.00

POWDER SPRINGS STREET/SR 360

24'

24'

REQ'D R/W

TEMP. ESM'T

EXIST. R/W

SIDEWALK

CONCRETE APRON

CONST. ℄ (LINE ONLY)

℄ (LINE ONLY)

18" RCP

24" RCP

S.W.C.B.
RIM:1125.03
IE:1119.83
OE:1119.73

S.W.C.B.
RIM:1125.81
IE:1121.11(A)
IE:1112.41(B)
OE:1120.91
FULL OF OIL

D.I.
RIM:1125.17
OE:1122.37

REMOVE CB & 18" RCP

EXIST. R/W

APPROX R/W TAKEN FROM PLANS FOR PEPPERWOOD, INC

FUTURE RACETRACK DEVELOPMENT (BY OTHERS)

SANDTOWN RD

Sd2-F

D.I.
RIM:1126.51
OE:1123.71

Ds1 | Ds2

Sd1-S

Sd1-F

EXIST. R/W

EXIST. R/W

SIDEWALK

PROPERTY AND EXISTING R/W LINE	℄
REQUIRED R/W LINE	⊠
CONSTRUCTION LIMITS	C
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	F

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
REQ'D LIMIT OF ACCESS	
REQ'D LIMIT OF ACCESS & R/W	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

INTERMEDIATE PHASE BMP LOCATION DETAILS STAGE 1

POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 54-013

12/14/2012 GPLN

4/3/2021	7:57:50 AM	GPLOT-V8	64007_54-014.dgn	COUNTY	CITY	PROJECT NUMBER
nbmorel		64007_STE1 PTable.tbl		COBB	MARIETTA	282-2033-535.72-33

LEGEND

1 PAVEMENT REMOVAL

2 TEMPORARY CONSTRUCTION PAVEMENT

3 PERMANENT CONSTRUCTION

4 MILL & OVERLAY CONSTRUCTION

OPEN LANES OF TRAFFIC

TEMPORARY BARRICADES

MATCHLINE STA 108+00.00
SEE DWG. NO. 54-013

MATCHLINE STA 113+50.00
SEE DWG. NO. 54-015

FAIRLANE DRIVE

LIMIT OF CONSTRUCTION
FAIRLANE DRIVE
STA 11+30.00

AREA A

AREA B

D/W ESMT (LINE ONLY)

TEMP. ESM'T

PERM. ESM'T

EXIST. R/W

REQ'D R/W

BUILDING

SIDEWALK

24'

POWDER SPRINGS STREET/SR 360

CONVERT EXIST MH TO DI ADJUST TO GRADE

Ds1 | Ds2

BEGIN CURB & GUTTER
TP 2, 8"X30"
STA 108+60

REMOVE 24" RCP

Ds1 | Ds2
DO NOT DISTURB EXISTING BUILDING

POWDER SPRINGS STREET/
STA 112+94.24
FAIRLANE DRIVE
STA 12+00.00

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
REQ'D LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

INTERMEDIATE PHASE BMP LOCATION DETAILS STAGE 1

POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 54-014

12/14/2012 GPLN

COUNTY	CITY	PROJECT NUMBER
COBB	MARIETTA	282-2033-535.72-33

LEGEND

1 PAVEMENT REMOVAL

2 TEMPORARY CONSTRUCTION PAVEMENT

3 PERMANENT CONSTRUCTION

4 MILL & OVERLAY CONSTRUCTION

OPEN LANES OF TRAFFIC

TEMPORARY BARRICADES

STAGING NOTES

1. AFTER WIDENING CONSTRUCTION IS COMPLETE, CLOSE TO TRAFFIC WITH TERMPORARY BARRIERS. MAINTAIN CLOSURE UNTIL OVERHEAD UTILITY ARE RELOCATED AND POLES HAVE BEEN REMOVED.

MATCHLINE STA 113+50.00 SEE DWG. NO. 54-014

MATCHLINE STA 119+00.00 SEE DWG. NO. 54-016

POWDER SPRINGS STREET/SR 360 STA 116+16.90 = GARRISON ROAD STA 20+00.00

114+00 115+00 116+00 117+00 118+00 119+00

20+00 21+00 22+00

REQ'D R/W

EXIST. R/W

TEMP. ESM'T

D/W ESM'T

EXIST. TEMP. ESM'T

EXIST. PERM. ESM'T

EXIST. R/W

ASPHALT DRIVE

SIDEWALK

CONC. SIDEWALK

CHAINLINK FENCE

BUILDING

CONC.

24'

REMOVE 24" RCP & CB

TEMPORARY BARRIERS STA 114+66

TEMPORARY BARRIERS GARRISON RD STA 20+58

AREA A

AREA B

Dsl Ds2

Sd2-F Sd1-S

D-19 D-20 D-21 D-22 D-32 D-35

15"RCP 18"RCP 24"RCP 30"RCP 36"RCP

D.I. RIM:1118.87 FULL OF SILT

D.W.C.B. RIM:1120.79 OE:1117.94

J.B. RIM:1122.50 OE:1118.20

D.W.C.B. RIM:1120.73 OE:1117.43

D.W.C.B. RIM:1120.68 OE:1116.48

D.W.C.B. RIM:1119.60 OE:1117.43

D.W.C.B. RIM:1120.3 IE:1115.86(A) IE:1115.86(B) IE:1115.89

S.W.C.B. RIM:1121.94 IE:1116.74 OE:1116.74

S.W.C.B. RIM:1124.47 IE:1119.27(A) IE:1119.21(B) OE:1118.97

D.W.C.B. RIM:1122.64 OE:1119.64

D.W.C.B. RIM:1117.43 IE:1110.82(A) IE:1110.34(B) IE:1110.23(C) IE:1110.13(D)

EXISTING CB RECONSTRUCT TO GRADE

ODI TOP:1117.14' INV:1110.24' NOTE: BOTTOM OF STRUCTURE IS SILTED

PROPERTY AND EXISTING R/W LINE	P
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	C F
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
REQ'D LIMIT OF ACCESS	
REQ'D LIMIT OF ACCESS & R/W	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET

0 20 40 80

REVISION DATES

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

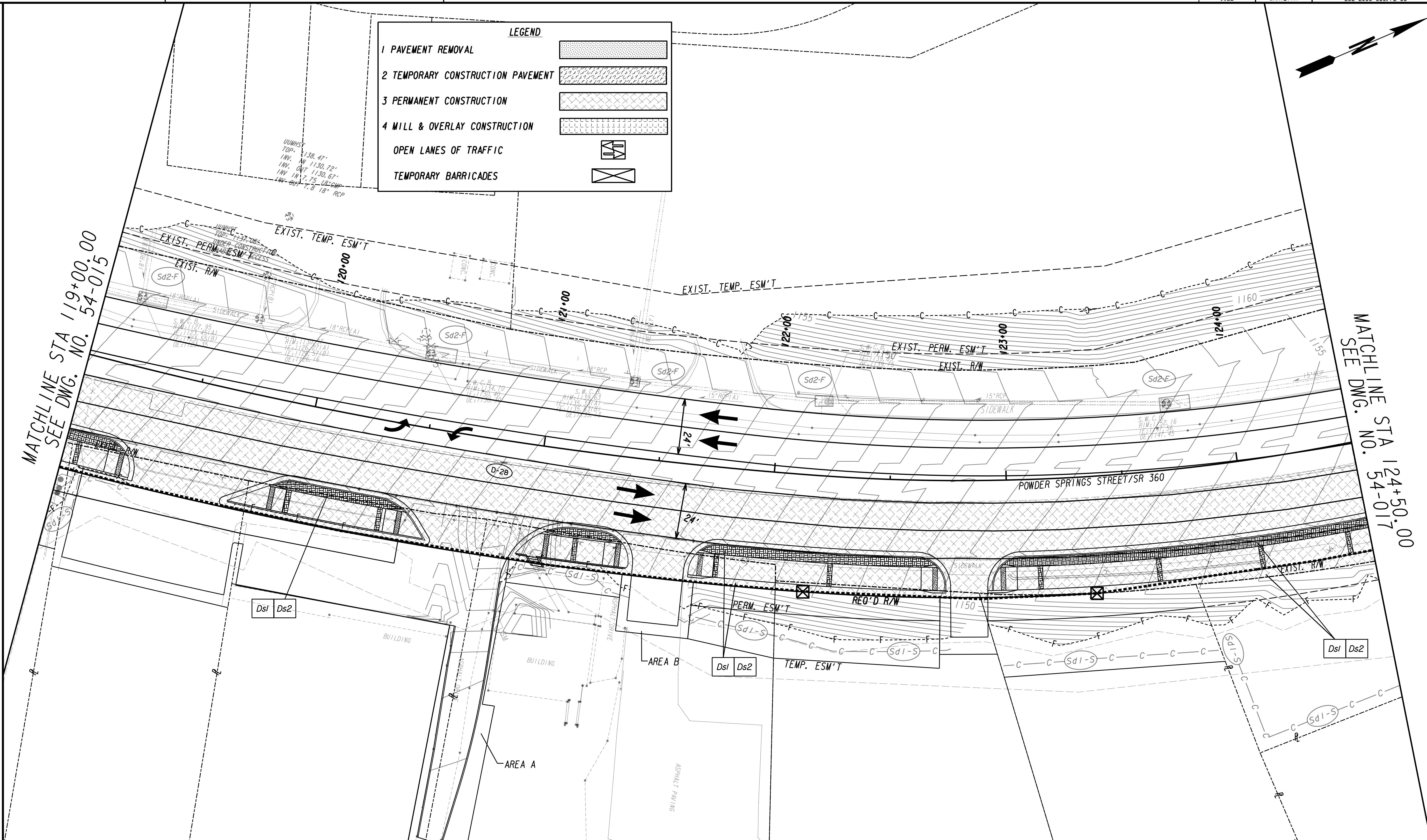
INTERMEDIATE PHASE BMP LOCATION DETAILS STAGE 1

POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 54-015

12/14/2012 GPLN

COUNTY	CITY	PROJECT NUMBER
COBB	MARIETTA	282-2033-535.72-33



LEGEND
1 PAVEMENT REMOVAL
2 TEMPORARY CONSTRUCTION PAVEMENT
3 PERMANENT CONSTRUCTION
4 MILL & OVERLAY CONSTRUCTION
OPEN LANES OF TRAFFIC
TEMPORARY BARRICADES
N
MATCHLINE STA 119+00.00
SEE DWG. NO. 54-015
MATCHLINE STA 124+50.00
SEE DWG. NO. 54-017
EXIST. TEMP. ESM'T
EXIST. PERM. ESM'T
EXIST. R/W
120+00
121+00
122+00
123+00
124+00
UUMHST
TOP: 1138.47'
INV. IN 1130.72'
INV. OUT 1130.67'
INV IN 7.75 18"CMP
INV OUT 7.8 18" RCP
Sd2-F
18"RCP(A)
SIDEWALK
S.W.C.B.
RIM:1127.95
IE:1123.45(A)
IE:1123.55(B)
OE:1123.35
J.B.
RIM:1130.57
IE:1126.27(A)
IE:1126.57(B)
OE:1126.16
S.W.C.B.
RIM:1134.70
IE:1130.40
OE:1130.30
S.W.C.B.
RIM:1139.63
IE:1135.33(A)
IE:1135.63(B)
OE:1135.13
S.W.C.B.
RIM:1152.16
IE:1147.56
OE:1147.45
18"RCP
15"RCP(A)
15"RCP
1155
1160
1150
24'
D-28
POWDER SPRINGS STREET/SR 360
CONC.
Ds1 Ds2
Sd1-S
PERM. ESM'T
TEMP. ESM'T
REQ'D R/W
AREA A
AREA B
BUILDING
ASPHALT DRIVE
ASPHALT PAVING

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS............BLA
END LIMIT OF ACCESS.............ELA
REQ'D LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES

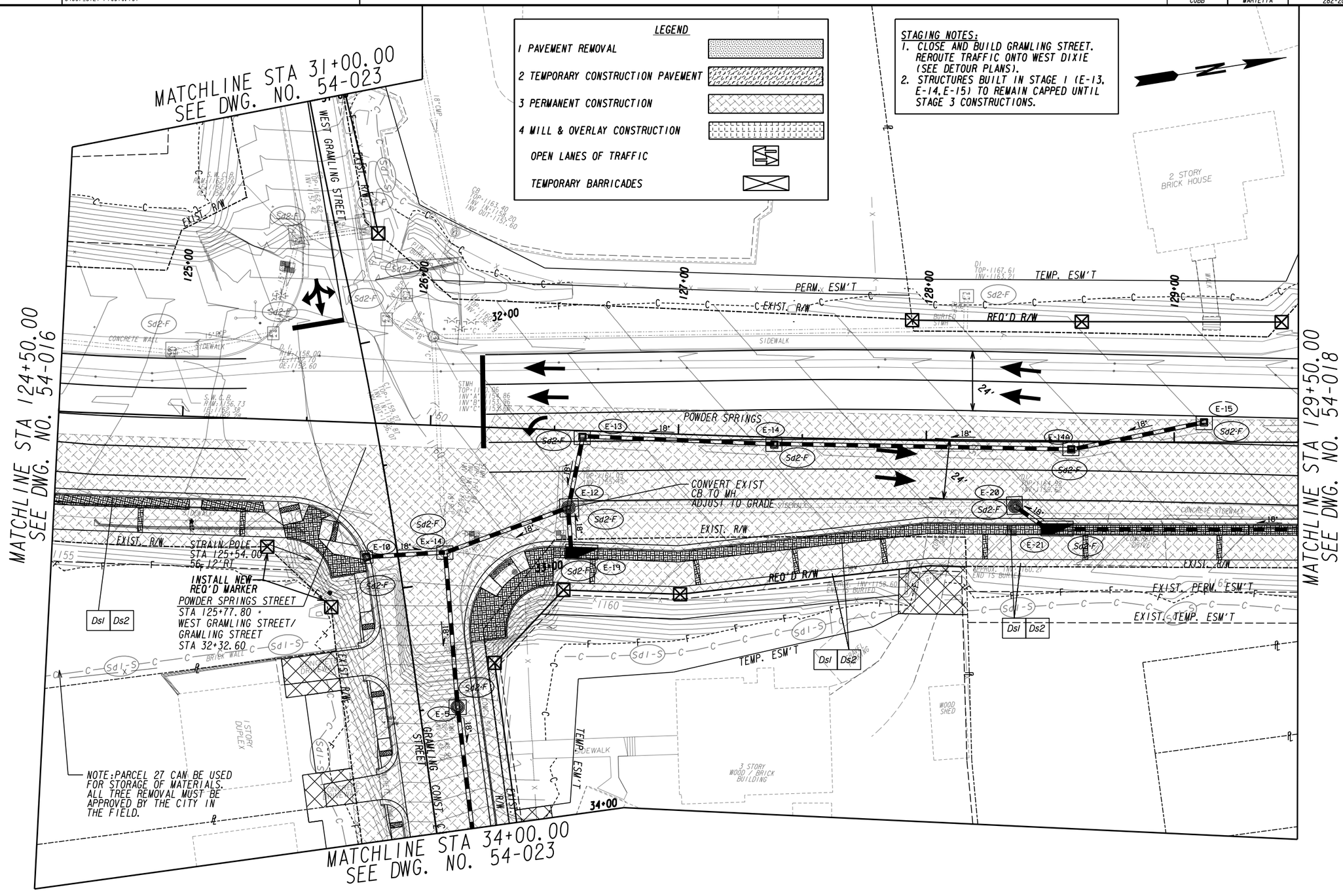
CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

INTERMEDIATE PHASE BMP LOCATION DETAILS STAGE 1

POWDER SPRINGS STREET
IMPROVEMENTS

DRAWING No.
54-016

4/3/2021	7:58:41 AM	GPLOT-V8	64007_54-017.dgn	COUNTY	CITY	PROJECT NUMBER
nbmorel		64007_STE1 PTable.tbl		COBB	MARIETTA	282-2033-535.72-33



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
REQ'D LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

INTERMEDIATE PHASE BMP LOCATION DETAILS STAGE 1

POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 54-017

12/14/2012 GPLN

4/3/2021 7:59:00 AM nbmorel	GPLOT-V8 64007_STE1 PTable.tbl	64007_54-018.dgn	COUNTY	CITY	PROJECT NUMBER
			COBB	MARIETTA	282-2033-535.72-33

LEGEND

1 PAVEMENT REMOVAL

2 TEMPORARY CONSTRUCTION PAVEMENT

3 PERMANENT CONSTRUCTION

4 MILL & OVERLAY CONSTRUCTION

OPEN LANES OF TRAFFIC

TEMPORARY BARRICADES

STAGING NOTES:
1. CLOSE AND BUILD HEDGES STREET. REROUTE TRAFFIC ONTO WEST DIXIE (SEE DETOUR PLANS.)
2. STRUCTURE F-12 TO REMAIN CAPPED UNTIL STAGE 3.

MATCHLINE STA 129+50.00 SEE DWG. NO. 54-017

50+00

LIMIT OF CONSTRUCTION
CLUB DRIVE
STA 50+53.00

CLUB DRIVE

POWDER SPRINGS STREET
STA 129+93.45
CLUB DRIVE
STA 51+50.00

TEMP. ESM'T

PERM. ESM'T

REQ'D R/W

EXIST. R/W

130+00 131+00 132+00 133+00 134+00 135+00

51+00

51+50
60+00

24'

POWDER SPRINGS STREET/SR 360

70+00

REMOVE 18" RCP
EXIST. PERM. ESM'T

EXIST. R/W
EXIST. PERM. ESM'T
EXIST. TEMP. ESM'T

Ds1 | Ds2

TEMP. ESM'T

61+00

POWDER SPRINGS STREET
STA 130+12.10
WEST DIXIE AVENUE
STA 60+00.00

LIMIT OF CONSTRUCTION
WEST DIXIE AVENUE
STA 61+40.00

WEST DIXIE AVENUE

FIELD WIRE FENCE

WALL

EXIST. TEMP. ESM'T

POWDER SPRINGS STREET
STA 134+48.44
HEDGES STREET
STA 70+00.00

HEDGES STREET

CONST. ℄

EXIST. R/W

71+00

MATCHLINE STA 61+50.00 SEE DWG. NO. 54-024

MATCHLINE STA 71+50.00 SEE DWG. NO. 54-024

MATCHLINE STA 135+25.00 SEE DWG. NO. 54-019

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
REQ'D LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

INTERMEDIATE PHASE BMP LOCATION DETAILS STAGE 1

POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 54-018

12/14/2012 GPLN

4/3/2021	7:59:18 AM	GPLOT-V8	64007_54-019.dgn	COUNTY	CITY	PROJECT NUMBER
nbmorel		64007_STE1 PTable.tbl		COBB	MARIETTA	282-2033-535.72-33

MATCHLINE STA 135+25.00
SEE DWG. NO. 54-018

MATCHLINE STA 140+50.00
SEE DWG. NO. 54-020

AREA A
D/W ESMT

AREA B
D/W ESMT

GRIGGS STREET

TEMP. ESM'T

91+00

136+00

137+00

138+00

139+00

140+00

192+00

72+00

REQ'D R/W

EXIST. R/W

1170

1175

SIDEWALK

CONCRETE WALL

24'

POWDER SPRINGS STREET/SR 360

36'

18'

F-16

F-17

G-4a

G-4b

G-4

G-8

Sd2-F

Sd1-S

Ds1 | Ds2

EXIST. PERM. ESM'T

CONVERT EXIST DI TO MH ADJUST TO GRADE

EXIST. TEMP. ESM'T

TEMP. ESM'T

CONVERT EXIST CB TO MH ADJUST TO GRADE

Ex-24

Ex-34

RECONSTRUCT CB

LIMIT OF CONSTRUCTION
CEMETERY STREET TRAIL
TIE INTO EXIST. PAVEMENT

CEMETERY STREET TRAIL

EXIST. R/W

POWDER SPRINGS STREET
STA 139+93.08
GRIGGS STREET
STA 92+00.00

CONVERT EXIST CB TO MH ADJUST TO GRADE

D/W ESMT

D/W ESMT

SIDEWALK

RIM:1151.83
IE:1151.63

RIM:1156.61
OE:1152.71

LEGEND

1 PAVEMENT REMOVAL	
2 TEMPORARY CONSTRUCTION PAVEMENT	
3 PERMANENT CONSTRUCTION	
4 MILL & OVERLAY CONSTRUCTION	
OPEN LANES OF TRAFFIC	
TEMPORARY BARRICADES	

PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
REQ'D LIMIT OF ACCESS	
REQ'D LIMIT OF ACCESS & R/W	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

INTERMEDIATE PHASE BMP LOCATION DETAILS STAGE 1

POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 54-019

12/14/2012 GPLN

4/3/2021	7:59:38 AM	GPLOT-V8	64007_54-020.dgn	COUNTY	CITY	PROJECT NUMBER
nbmorel		64007_STE1 PTable.tbl		COBB	MARIETTA	282-2033-535.72-33

MATCHLINE STA 140+50.00
SEE DWG. NO. 54-019

MATCHLINE STA 146+00.00
SEE DWG. NO. 54-021

CONCRETE WALL

CONCRETE WALL

141+00

142+00

143+00

144+00

145+00

146+00

EXIST. R/W

PERM. ESM'T

REQ'D R/W

D/W ESMT

BUILDING

APPROX. PROPERTY LINE

18' ASPHALT PAVING

BLIND JB PB 275 PG 679

BLIND JB PB 275 PG 679

FROM FEMA

ROUTE SIGN

SIDEWALK

SIDEWALK

15"RCP

15"RCP(B)

ASPHALT PAVING CUT

ASPHALT PAVING CUT

24'

POWDER SPRINGS STREET/SR 360

S.W.C.B. RIM:1136.39 OE:1143.79(A) OE:1143.55(B) OE:1143.49

S.W.C.B. RIM:1137.19 OE:1132.29

Sd2-F

G-10

G-11

Sd2-F

24'

Ds1 | Ds2

EXIST. R/W

JUNCTION SIGN

TEMP. ESM'T

ASPHALT PAVING

LEGEND

1 PAVEMENT REMOVAL	
2 TEMPORARY CONSTRUCTION PAVEMENT	
3 PERMANENT CONSTRUCTION	
4 MILL & OVERLAY CONSTRUCTION	
OPEN LANES OF TRAFFIC	
TEMPORARY BARRICADES	

PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA	
END LIMIT OF ACCESS.....ELA	
REQ'D LIMIT OF ACCESS	
REQ'D LIMIT OF ACCESS & R/W	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

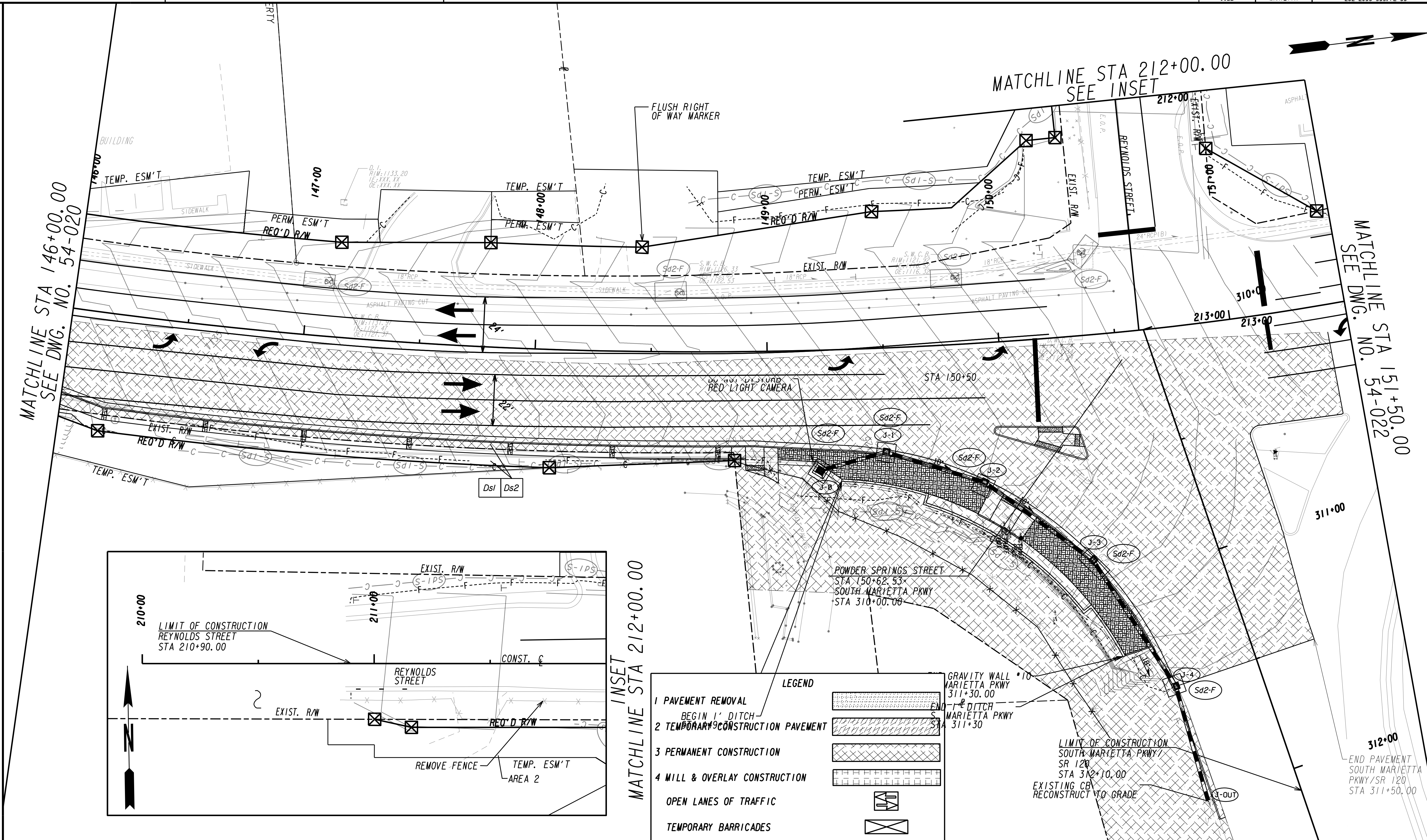
INTERMEDIATE PHASE BMP LOCATION DETAILS STAGE 1

POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 54-020

12/14/2012 GPLN

6/17/2021	10:07:19 AM	GPLOT-V8	64007_54-021.dgn	COUNTY	CITY	PROJECT NUMBER
MRMoss		stel.tbl		COBB	MARIETTA	282-2033-535.72-33



MATCHLINE STA 212+00.00
SEE INSET
MATCHLINE STA 146+00.00
SEE DWG. NO. 54-020
MATCHLINE STA 151+50.00
SEE DWG. NO. 54-022
FLUSH RIGHT
OF WAY MARKER
BUILDING
TEMP. ESM'T
PERM. ESM'T
REQ'D R/W
EXIST. R/W
SIDEWALK
ASPHALT PAVING CUT
18"RCP
24"RCP(B)
REYNOLDS STREET
146+00
147+00
148+00
149+00
150+00
151+00
212+00
213+00
310+00
311+00
312+00
24'
22'
STA 150+50
DO NOT DISTURB
RED LIGHT CAMERA
Sd1-S
Sd2-F
S-1PS
J-1
J-2
J-3
J-4
J-OUT
Ds1
Ds2
D.I.
RIM:1133.20
IE:XXX.XX
OE:XXX.XX
S.W.C.B.
RIM:1131.97
IE:1127.47
OE:1127.37
S.W.C.B.
RIM:1126.33
IE:1122.63
OE:1122.53
S.W.C.B.
RIM:1121.92
IE:1116.52
OE:1116.32
POWDER SPRINGS STREET
STA 150+62.53
SOUTH MARIETTA PKWY
STA 310+00.00
BEGIN 1' DITCH
STA 149+30
END GRAVITY WALL #10
S. MARIETTA PKWY
STA 311+30.00
END 1' DITCH
S. MARIETTA PKWY
STA 311+30
LIMIT OF CONSTRUCTION
SOUTH MARIETTA PKWY/
SR 120
STA 312+10.00
EXISTING CB
RECONSTRUCT TO GRADE
END PAVEMENT
SOUTH MARIETTA
PKWY/SR 120
STA 311+50.00
INSET
MATCHLINE STA 212+00.00
210+00
211+00
LIMIT OF CONSTRUCTION
REYNOLDS STREET
STA 210+90.00
CONST. ℄
REYNOLDS
STREET
EXIST. R/W
REQ'D R/W
REMOVE FENCE
TEMP. ESM'T
AREA 2
N

LEGEND

1 PAVEMENT REMOVAL	
2 TEMPORARY CONSTRUCTION PAVEMENT	
3 PERMANENT CONSTRUCTION	
4 MILL & OVERLAY CONSTRUCTION	
OPEN LANES OF TRAFFIC	
TEMPORARY BARRICADES	

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS............BLA
END LIMIT OF ACCESS.............ELA
REQ'D LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES
06-18-2021

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

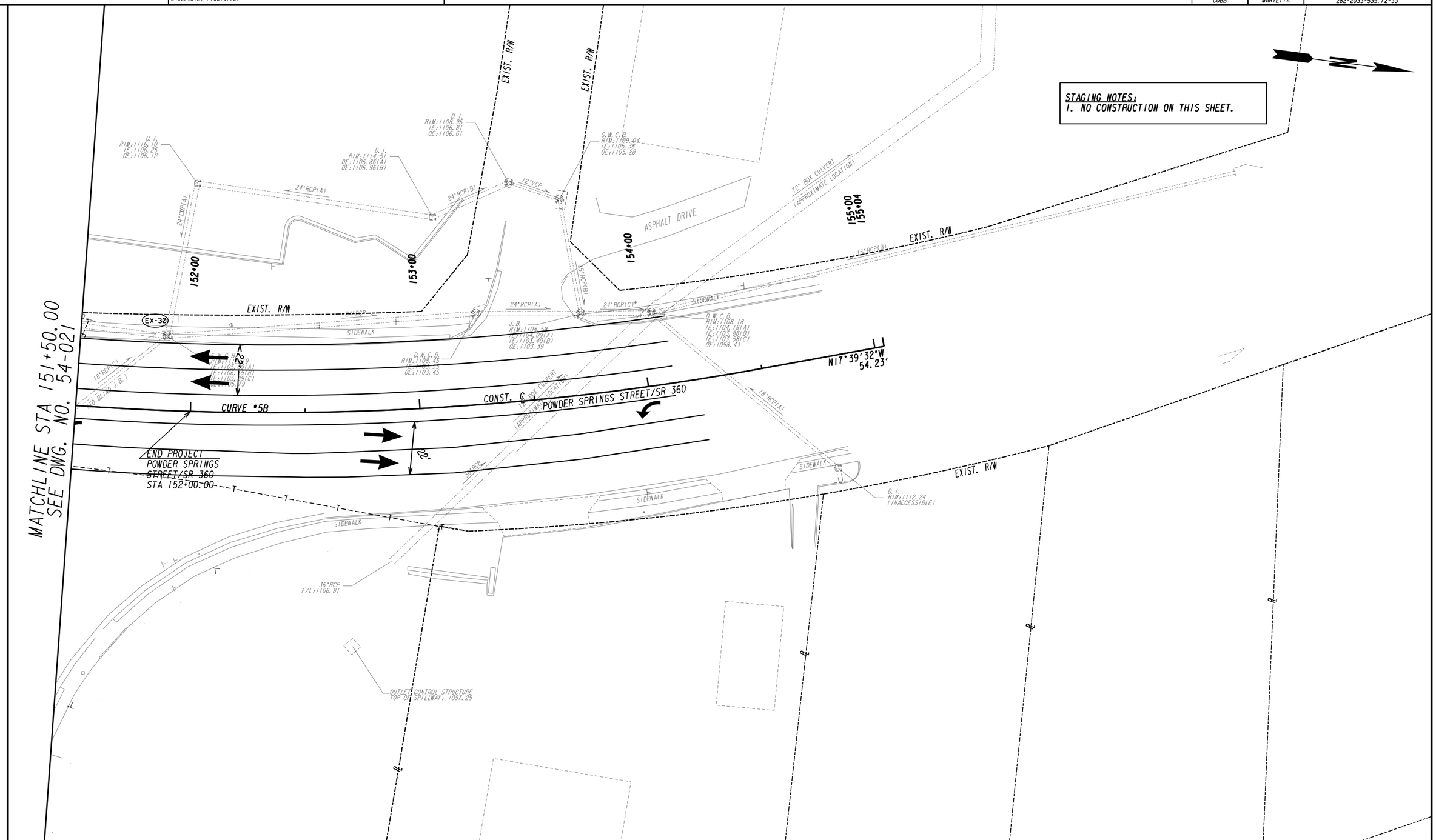
INTERMEDIATE PHASE BMP LOCATION DETAILS STAGE 1

POWDER SPRINGS STREET
IMPROVEMENTS

DRAWING No.
54-021

12/14/2012 GPLN

4/3/2021	8:00:44 AM	GPLOT-V8	64007_54-022.dgn	COUNTY	CITY	PROJECT NUMBER
nbmorel		64007_STE1 PTable.tbl		COBB	MARIETTA	282-2033-535.72-33



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
REQ'D LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

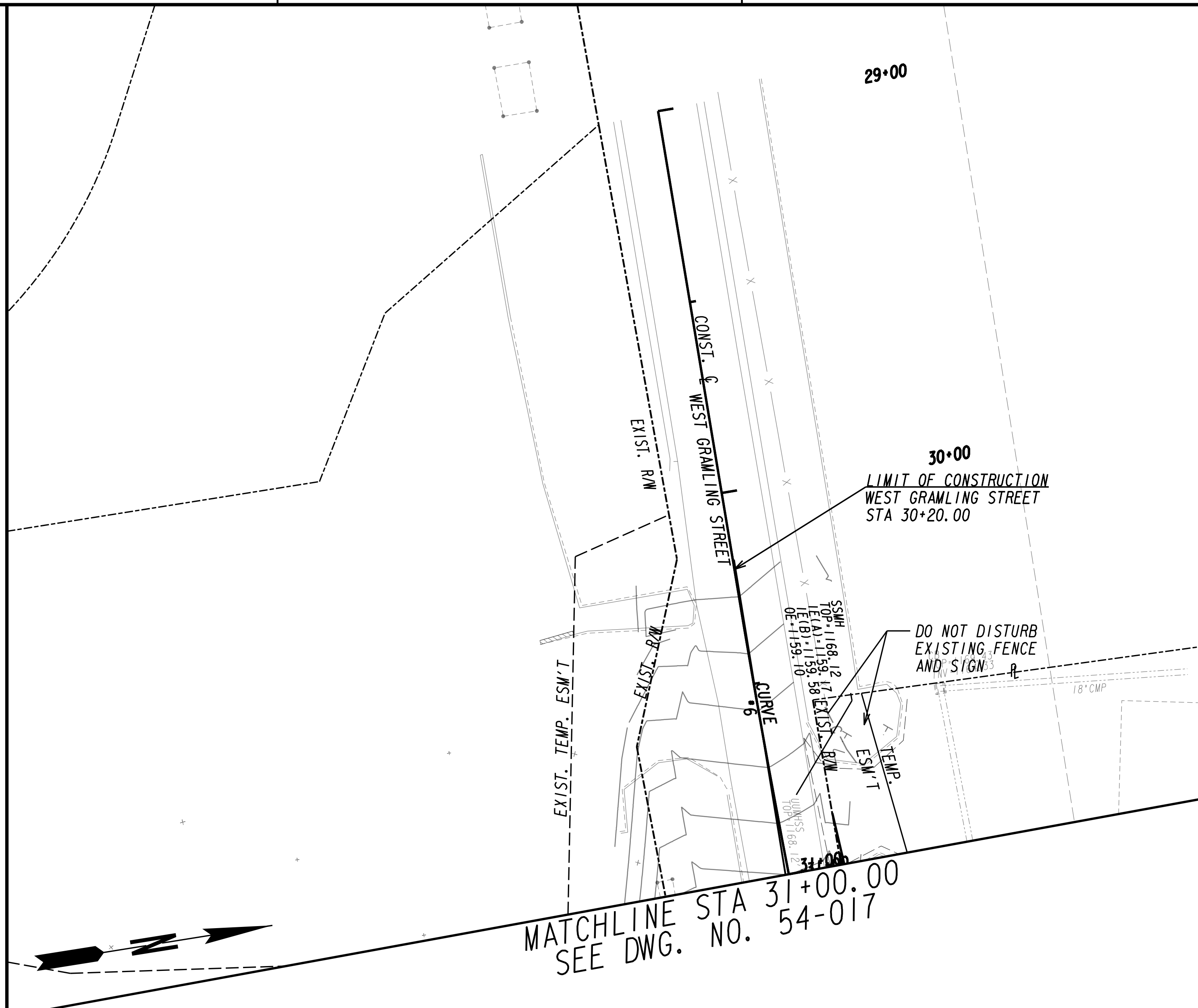
INTERMEDIATE PHASE BMP LOCATION DETAILS STAGE 1

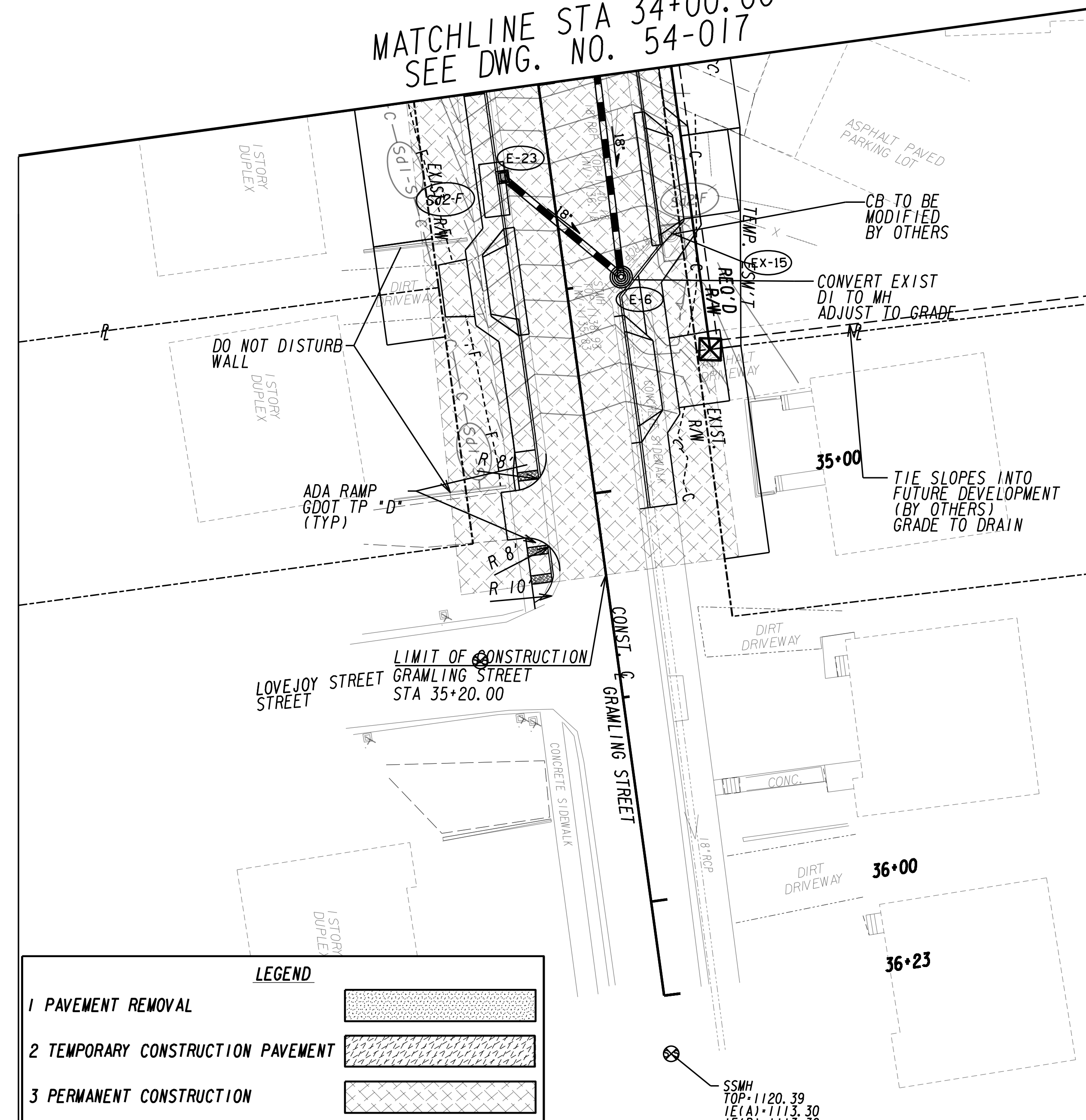
POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 54-022

12/14/2012 GPLN

COUNTY	CITY	PROJECT NUMBER
COBB	MARIETTA	282-2033-535.72-33





LEGEND

1 PAVEMENT REMOVAL	
2 TEMPORARY CONSTRUCTION PAVEMENT	
3 PERMANENT CONSTRUCTION	
4 MILL & OVERLAY CONSTRUCTION	
OPEN LANES OF TRAFFIC	
TEMPORARY BARRICADES	

STAGING NOTES:
1. CLOSE AND BUILD GRAMLING STEET
(SEE DETOUR PLAN)

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS............BLA
END LIMIT OF ACCESS.............ELA
REQ'D LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES

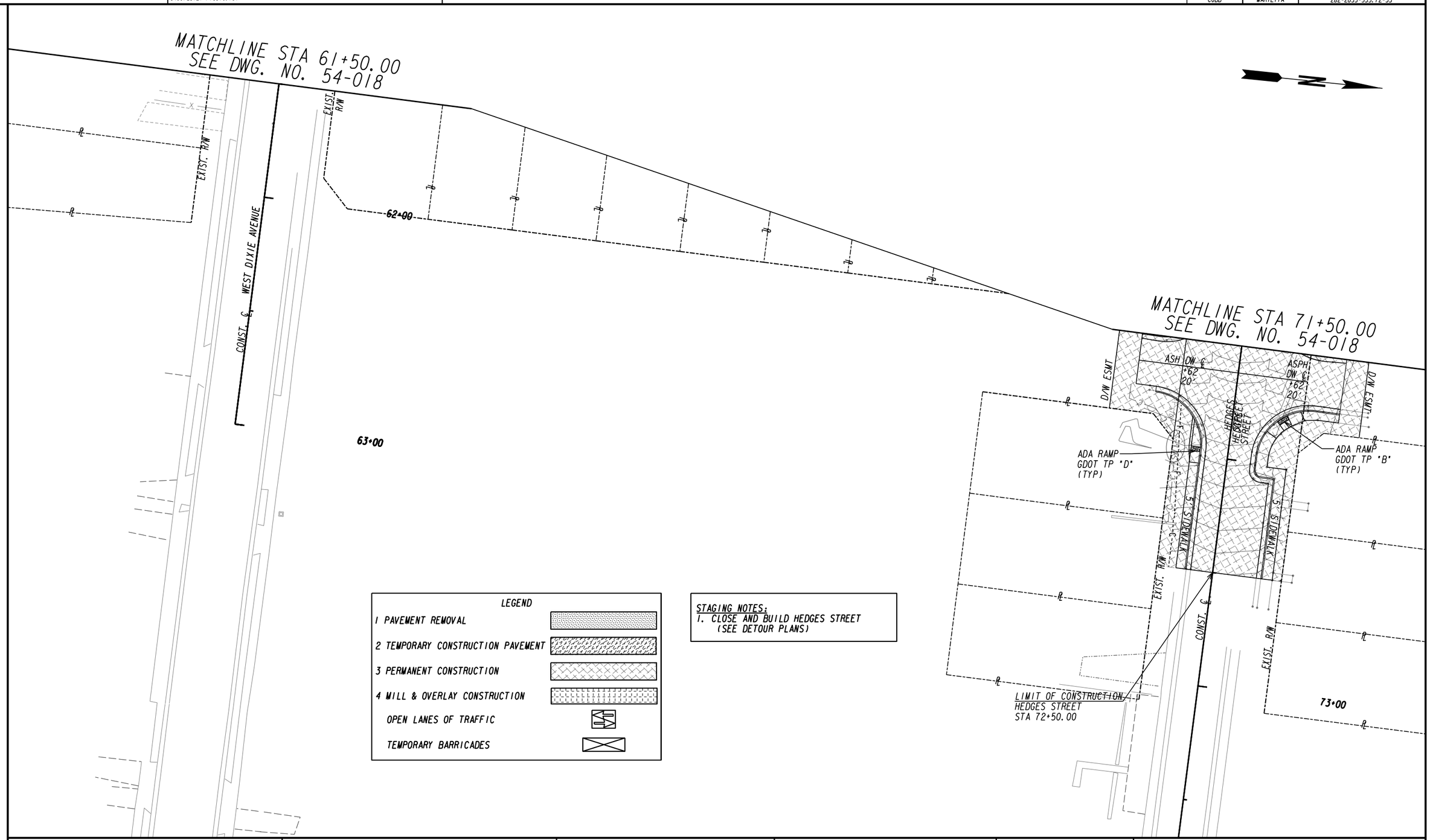
CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

INTERMEDIATE PHASE BMP LOCATION DETAILS STAGE 1

POWDER SPRINGS STREET
IMPROVEMENTS

DRAWING No. 54-023

4/3/2021 8:01:46 AM	GPLOT-V8	64007_54-024.dgn	COUNTY	CITY	PROJECT NUMBER
nbmorel	64007_STE1 PTable.tbl		COBB	MARIETTA	282-2033-535.72-33



LEGEND

1 PAVEMENT REMOVAL	
2 TEMPORARY CONSTRUCTION PAVEMENT	
3 PERMANENT CONSTRUCTION	
4 MILL & OVERLAY CONSTRUCTION	
OPEN LANES OF TRAFFIC	
TEMPORARY BARRICADES	

STAGING NOTES:
1. CLOSE AND BUILD HEDGES STREET (SEE DETOUR PLANS)

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
REQ'D LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

INTERMEDIATE PHASE BMP LOCATION DETAILS STAGE 1

POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 54-024

12/14/2012 GPLN

4/3/2021	8:02:11 AM	GPLOT-V8	64007_54-025.dgn	COUNTY	CITY	PROJECT NUMBER
nbmorel		64007_STE2 PTable.tbl		COBB	MARIETTA	282-2033-535.72-33

LEGEND

1 PAVEMENT REMOVAL

2 TEMPORARY CONSTRUCTION PAVEMENT

3 PERMANENT CONSTRUCTION

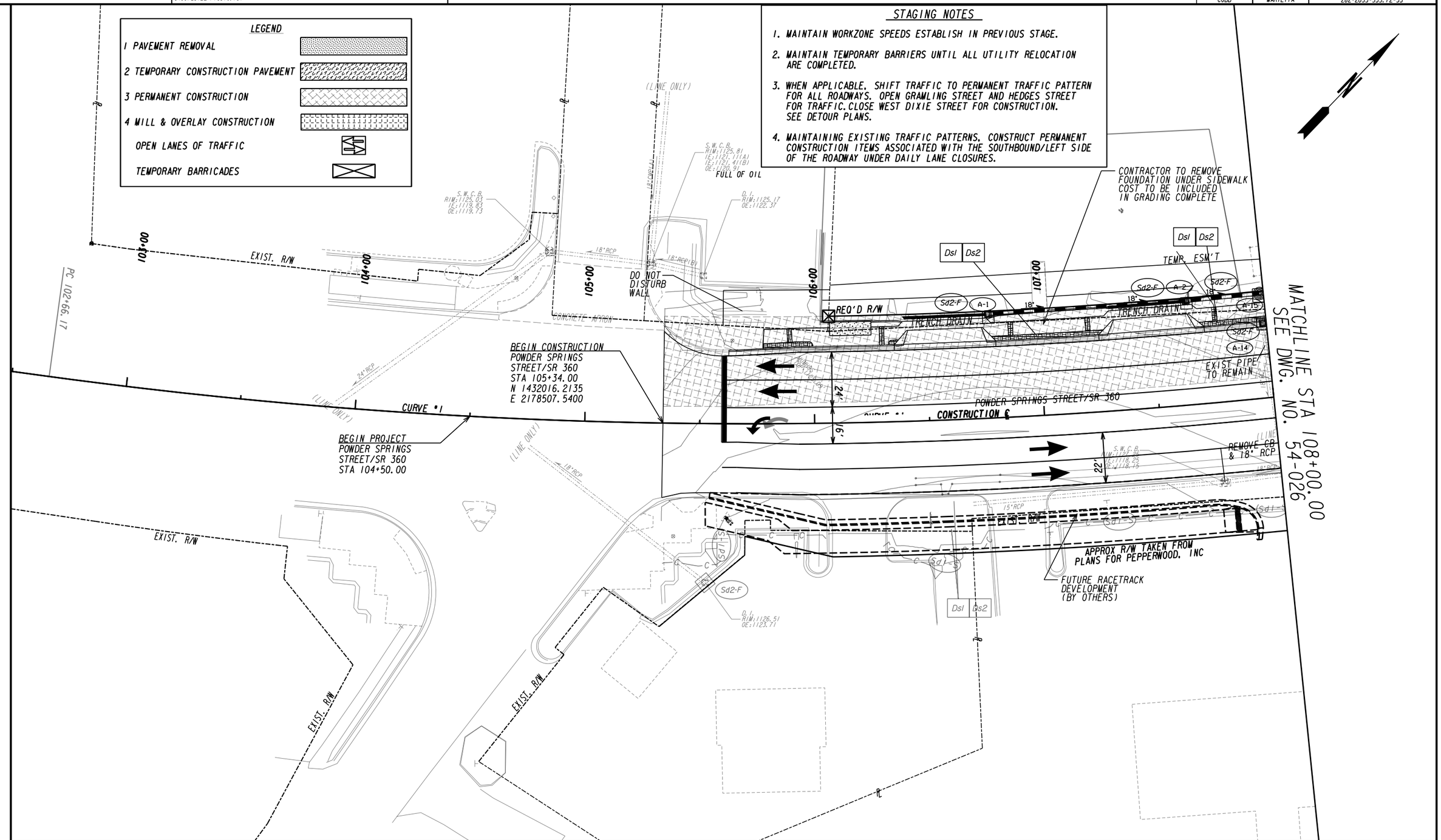
4 MILL & OVERLAY CONSTRUCTION

OPEN LANES OF TRAFFIC

TEMPORARY BARRICADES

STAGING NOTES

1. MAINTAIN WORKZONE SPEEDS ESTABLISH IN PREVIOUS STAGE.
2. MAINTAIN TEMPORARY BARRIERS UNTIL ALL UTILITY RELOCATION ARE COMPLETED.
3. WHEN APPLICABLE, SHIFT TRAFFIC TO PERMANENT TRAFFIC PATTERN FOR ALL ROADWAYS. OPEN GRAWLING STREET AND HEDGES STREET FOR TRAFFIC. CLOSE WEST DIXIE STREET FOR CONSTRUCTION. SEE DETOUR PLANS.
4. MAINTAINING EXISTING TRAFFIC PATTERNS, CONSTRUCT PERMANENT CONSTRUCTION ITEMS ASSOCIATED WITH THE SOUTHBOUND/LEFT SIDE OF THE ROADWAY UNDER DAILY LANE CLOSURES.



PROPERTY AND EXISTING R/W LINE	℄
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	C
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	F
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
REQ'D LIMIT OF ACCESS	
REQ'D LIMIT OF ACCESS & R/W	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

INTERMEDIATE PHASE BMP LOCATION DETAILS STAGE 2

POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 54-025

12/14/2012 GPLN

COUNTY	CITY	PROJECT NUMBER
COBB	MARIETTA	282-2033-535.72-33

LEGEND

1 PAVEMENT REMOVAL

2 TEMPORARY CONSTRUCTION PAVEMENT

3 PERMANENT CONSTRUCTION

4 MILL & OVERLAY CONSTRUCTION

OPEN LANES OF TRAFFIC

TEMPORARY BARRICADES

STAGING NOTES:
1. INSTALL AND CAP STRUCTURE A-7 & A-8.

MATCHLINE STA 108+00.00
SEE DWG. NO. 54-025

MATCHLINE STA 113+50.00
SEE DWG. NO. 54-027

LIMIT OF CONSTRUCTION
FAIRLANE DRIVE
STA 11+30.00

PARCEL 8 NOTE:
DO NOT DISTURB TABLES OR DINING PLAZA

BEGIN 2' DITCH STA 111+73.74

END 2' DITCH STA 112+66.74

DO NOT DISTURB LIGHT POLES

AREA A

AREA B

EXIST PIPE TO REMAIN

D/W ESMT

TEMP. ESM'T

PERM. ESM'T

TRENCH DRAIN

EXIST. R/W

REQ'D R/W

REMOVE EXISTING PIPE

POWDER SPRINGS STREET/SR 360

REMOVE DI & 18" RCP

CONVERT EXIST MH TO DI ADJUST TO GRADE

REMOVE 24" RCP

DO NOT DISTURB EXISTING BUILDING

BUILDING

POWDER SPRINGS STREET/
STA 112+94.24
FAIRLANE DRIVE
STA 12+00.00

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
REQ'D LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

INTERMEDIATE PHASE BMP LOCATION DETAILS STAGE 2

POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 54-026

12/14/2012 GPLN

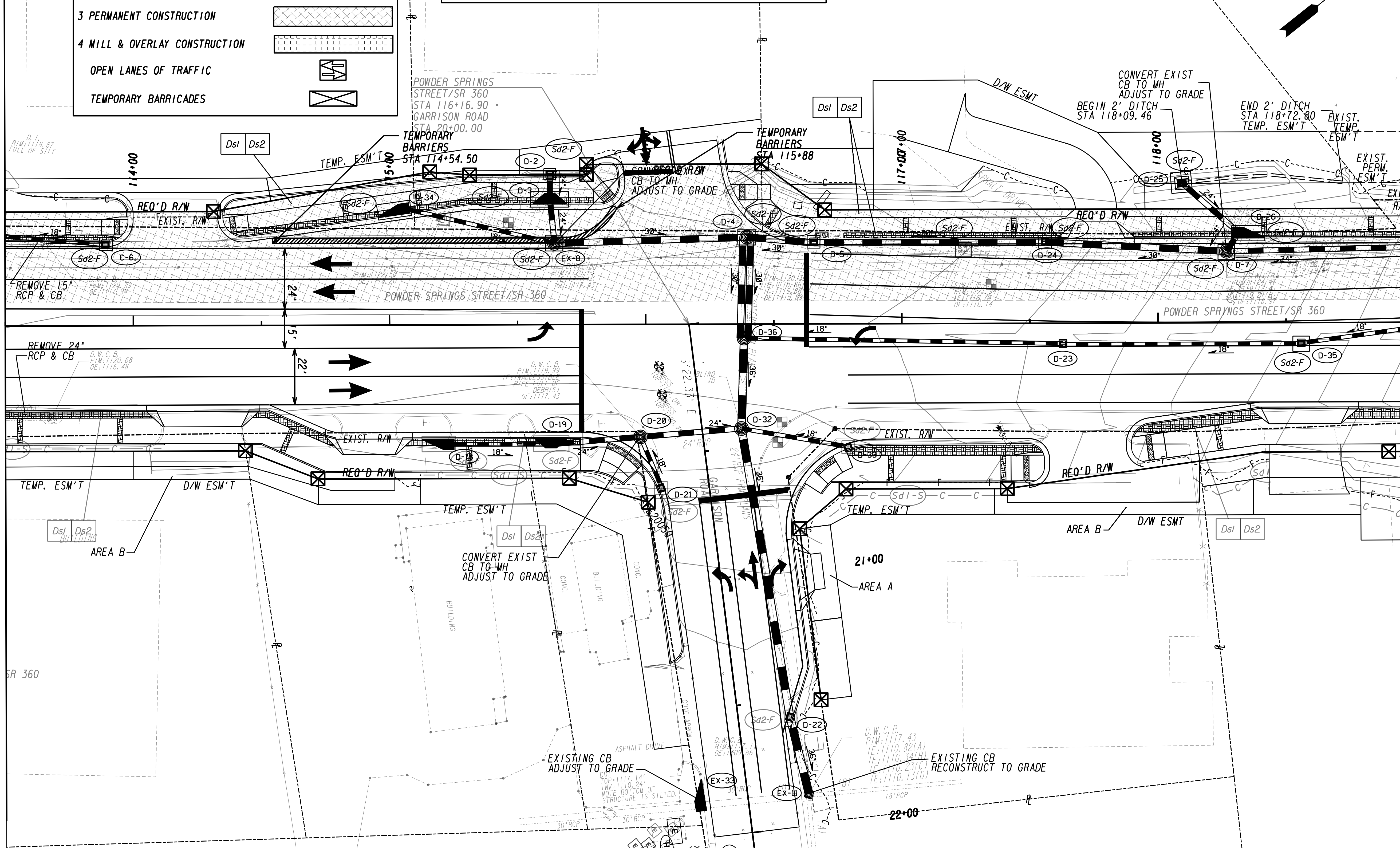
MATCHLINE STA 113+50.00
SEE DWG. NO. 54-026

LEGEND

1 PAVEMENT REMOVAL
2 TEMPORARY CONSTRUCTION PAVEMENT
3 PERMANENT CONSTRUCTION
4 MILL & OVERLAY CONSTRUCTION
OPEN LANES OF TRAFFIC
TEMPORARY BARRICADES

STAGING NOTES

1. AFTER U-TURN BAY CONSTRUCTION IS COMPLETE, CLOSE TO TRAFFIC WITH TEMPORARY BARRIERS. MAINTAIN CLOSURE UNTIL OVERHEAD UTILITY ARE RELOCATED AND POLES HAVE BEEN REMOVED.



MATCHLINE STA 119+00.00
SEE DWG. NO. 54-028

PROPERTY AND EXISTING R/W LINE	BEGIN LIMIT OF ACCESS............BLA
REQUIRED R/W LINE	END LIMIT OF ACCESS.............ELA
CONSTRUCTION LIMITS	REQ'D LIMIT OF ACCESS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	REQ'D LIMIT OF ACCESS & R/W
EASEMENT FOR CONSTR OF SLOPES	ORANGE BARRIER FENCE
EASEMENT FOR CONSTR OF DRIVES	ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES

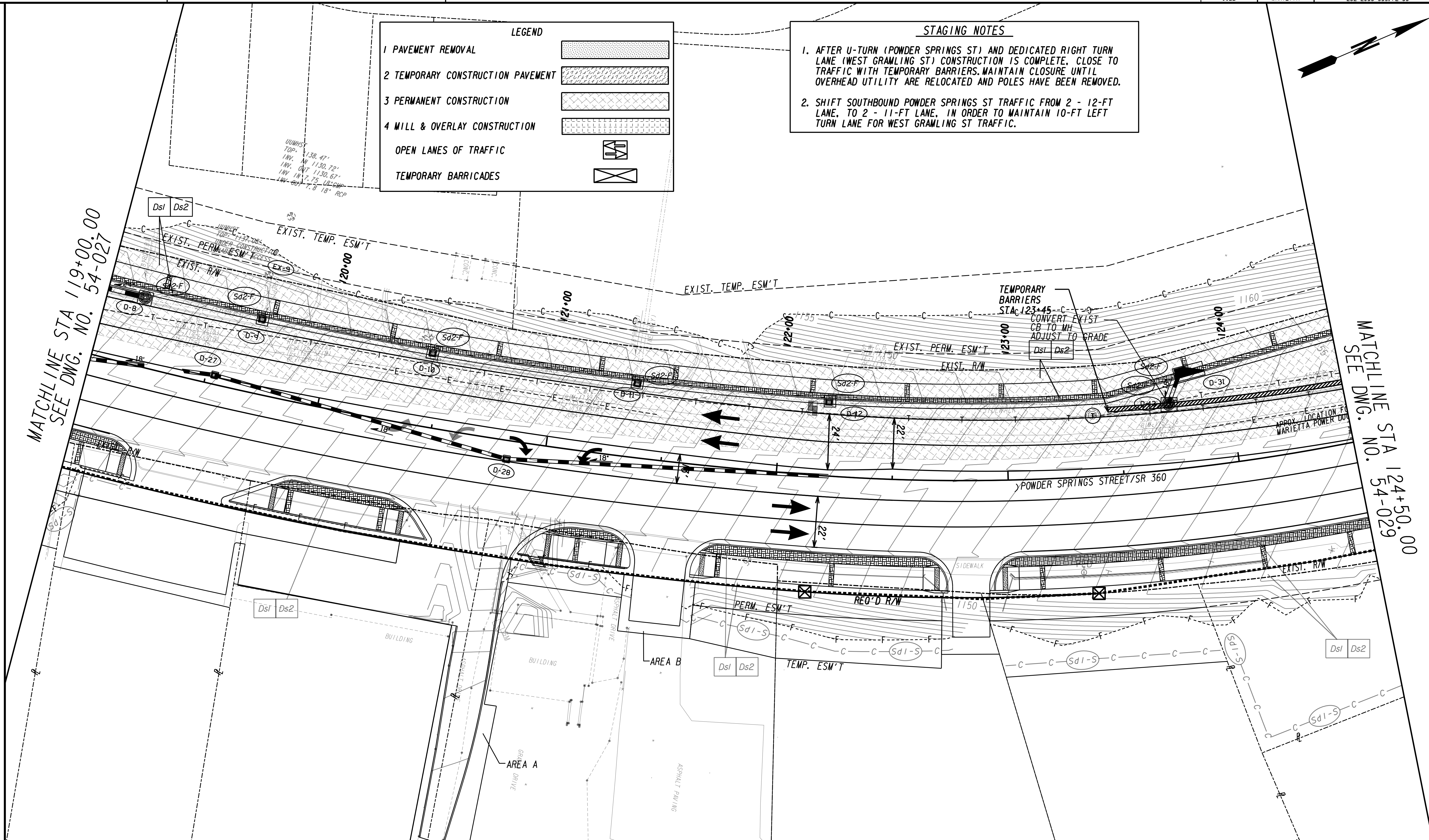
CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

INTERMEDIATE PHASE BMP LOCATION DETAILS STAGE 2

POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 54-027

COUNTY	CITY	PROJECT NUMBER
COBB	MARIETTA	282-2033-535.72-33



LEGEND

1 PAVEMENT REMOVAL	
2 TEMPORARY CONSTRUCTION PAVEMENT	
3 PERMANENT CONSTRUCTION	
4 MILL & OVERLAY CONSTRUCTION	
OPEN LANES OF TRAFFIC	
TEMPORARY BARRICADES	

STAGING NOTES

1. AFTER U-TURN (POWDER SPRINGS ST) AND DEDICATED RIGHT TURN LANE (WEST GRAMLING ST) CONSTRUCTION IS COMPLETE, CLOSE TO TRAFFIC WITH TEMPORARY BARRIERS. MAINTAIN CLOSURE UNTIL OVERHEAD UTILITY ARE RELOCATED AND POLES HAVE BEEN REMOVED.
2. SHIFT SOUTHBOUND POWDER SPRINGS ST TRAFFIC FROM 2 - 12-FT LANE, TO 2 - 11-FT LANE, IN ORDER TO MAINTAIN 10-FT LEFT TURN LANE FOR WEST GRAMLING ST TRAFFIC.

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS............BLA
END LIMIT OF ACCESS.............ELA
REQ'D LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

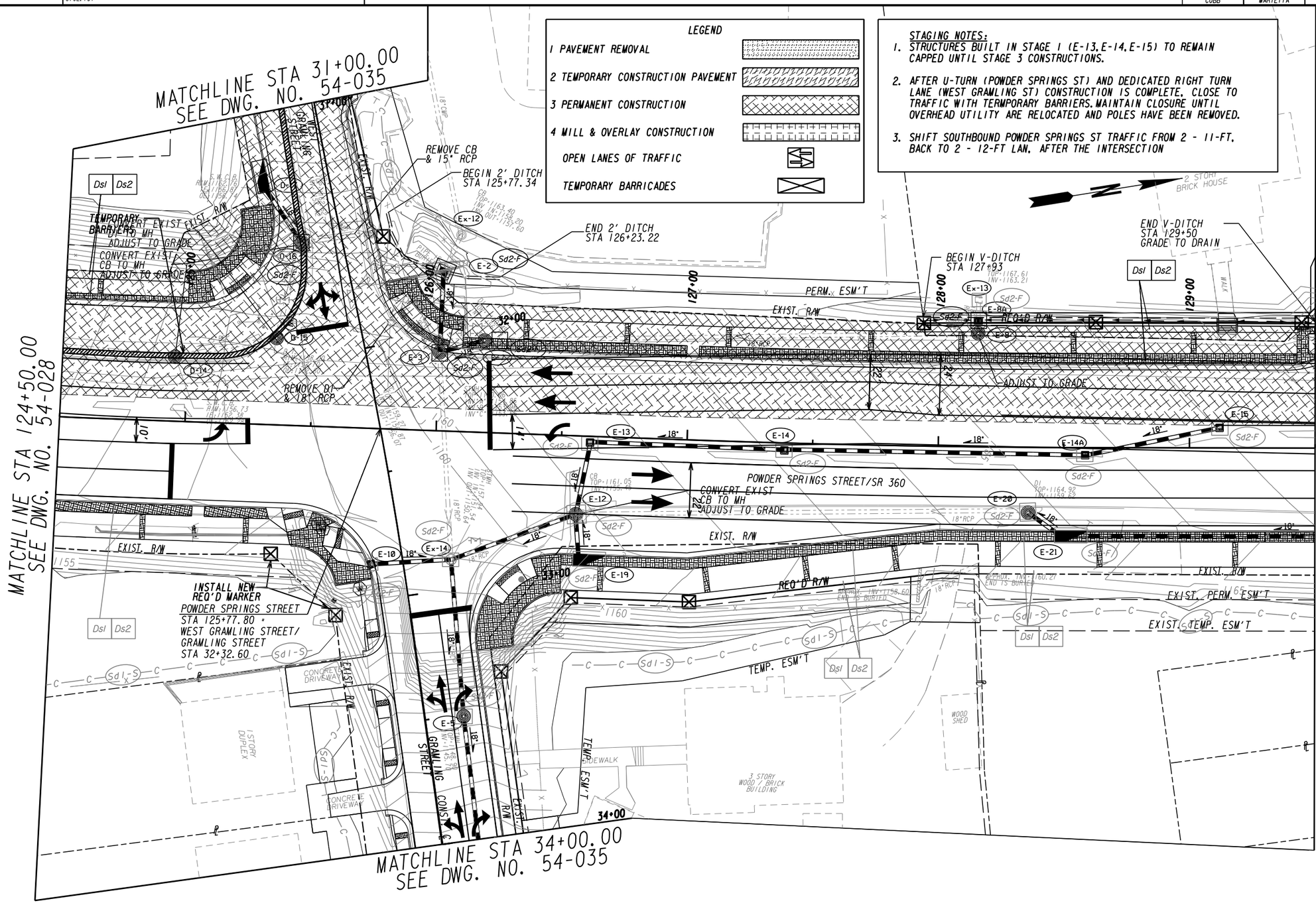
REVISION DATES

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

INTERMEDIATE PHASE BMP LOCATION DETAILS STAGE 2

POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 54-028



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
REQ'D LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES		
06-18-2021		

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

INTERMEDIATE PHASE BMP LOCATION DETAILS STAGE 2

POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 54-029

12/14/2012 GPLN

COUNTY	CITY	PROJECT NUMBER
COBB	MARIETTA	282-2033-535.72-33

LEGEND

1 PAVEMENT REMOVAL

2 TEMPORARY CONSTRUCTION PAVEMENT

3 PERMANENT CONSTRUCTION

4 MILL & OVERLAY CONSTRUCTION

OPEN LANES OF TRAFFIC

TEMPORARY BARRICADES

STAGING NOTES:
1. CLOSE AND BUILD WEST DIXIE AVENUE REROUTE TRAFFIC ONTO WEST DIXIE (SEE DETOUR PLANS.)
2. STRUCTURE F-12 TO REMAIN CAPPED UNTIL STAGE 3.

MATCHLINE STA 129+50.00 SEE DWG. NO. 54-029

50+00

LIMIT OF CONSTRUCTION CLUB DRIVE STA 50+53.00

BEGIN V-DITCH

TEMP. ESW'T

ADJUST CB TO GRADE

POWDER SPRINGS STREET STA 129+93.45 = CLUB DRIVE STA 51+50.00

CONVERT EXIST CB TO DI ADJUST TO GRADE

TEMP. ESW'T

PERM. ESW'T

REQ'D R/W

EXIST. R/W

ADJUST TO GRADE

51+50 60+00

ADJUST CB TO GRADE

TEMP. ESW'T

REQ'D R/W

ADJUST TO GRADE

ADJUST CB TO GRADE

ADJUST MH TO GRADE REMOVE 18" CMP

70+00

REMOVE 18" RCP

EXIST. PERM. ESW'T

MATCHLINE STA 135+25.00 SEE DWG. NO. 54-031

EXIST. R/W

EXIST. PERM. ESW'T

EXIST. TEMP. ESW'T

EXIST. R/W

EXIST. PERM. ESW'T

EXIST. TEMP. ESW'T

TEMP. ESW'T

61+00

POWDER SPRINGS STREET STA 130+12.10 = WEST DIXIE AVENUE STA 60+00.00

LIMIT OF CONSTRUCTION WEST DIXIE AVENUE STA 61+40.00

FIELD WIRE FENCE

WALL

EXIST. TEMP. ESW'T

POWDER SPRINGS STREET STA 134+48.44 = HEDGES STREET STA 70+00.00

HEDGES STREET

EXIST. R/W

EXIST. TEMP. ESW'T

EXIST. R/W

71+00

MATCHLINE STA 61+50.00 SEE DWG. NO. 54-036

MATCHLINE STA 71+50.00 SEE DWG. NO. 54-036

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
REQ'D LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80
SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

INTERMEDIATE PHASE BMP LOCATION DETAILS STAGE 2

POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 54-030

12/14/2012 GPLN

4/3/2021 8:04:20 AM	GPLOT-V8	64007_54-031.dgn	COUNTY	CITY	PROJECT NUMBER
nbmorel	64007_STE2 PTable.tbl		COBB	MARIETTA	282-2033-535.72-33

STAGING NOTES:
1. AFTER SOUTHBOUND WIDENING CONSTRUCTION IS COMPLETE, CLOSE TO TRAFFIC WITH TEMPORARY BARRIERS. MAINTAIN CLOSURE UNTIL OVERHEAD UTILITY ARE RELOCATED AND POLES HAVE BEEN REMOVED.

MATCHLINE STA 135+25.00
SEE DWG. NO. 54-030

MATCHLINE STA 140+50.00
SEE DWG. NO. 54-032

LIMITS OF DRIVEWAY DEMOLITION STA 135+72, 75' LT

AREA A

D/W ESMT

TEMPORARY BARRIERS STA 136+00

BEGIN 2' DITCH STA 135+98.00

136+00

137+00

138+00

139+00

END 2' DITCH STA 139+31.58

AREA B

D/W ESMT

TEMPORARY BARRIERS GRIGGS ST STA 91+28.50

LIMIT OF CONSTRUCTION STA 90+38.50 GRIGGS STREET

CONST. 4' GRIGGS STREET

91+00 CONVERT EXIST CB TO MH ADJUST TO GRADE

TEMPORARY BARRIERS GRIGGS ST STA 91+46

TEMP. ESM'T

EXIST. R/W

REQ'D R/W

Ds1 Ds2

Sd2-F

G-5

G-6

G-7

G-8

140+00

192+00

24'

16'

22'

POWDER SPRINGS STREET/SR 360

12'

F-16

F-17

G-4a

G-4b

G-4

Ex-24

Ex-34

Sd1-S

EXIST. PERM. ESM'T

CONVERT EXIST DI TO MH ADJUST TO GRADE

EXIST. TEMP. ESM'T

TEMP. ESM'T

CONVERT EXIST CB TO MH ADJUST TO GRADE

RECONSTRUCT CB

LIMIT OF CONSTRUCTION CEMETERY STREET TRAIL TIE INTO EXIST. PAVEMENT

CEMETERY STREET TRAIL

D/W ESMT

D/W ESMT

72+00.00

POWDER SPRINGS STREET STA 139+93.08 = GRIGGS STREET STA 92+00.00

CONVERT EXIST CB TO MH ADJUST TO GRADE

LEGEND

1 PAVEMENT REMOVAL	
2 TEMPORARY CONSTRUCTION PAVEMENT	
3 PERMANENT CONSTRUCTION	
4 MILL & OVERLAY CONSTRUCTION	
OPEN LANES OF TRAFFIC	
TEMPORARY BARRICADES	

PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
REQ'D LIMIT OF ACCESS	
REQ'D LIMIT OF ACCESS & R/W	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

INTERMEDIATE PHASE BMP LOCATION DETAILS STAGE 2

POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 54-031

12/14/2012 GPLN

MATCHLINE STA 140+50.00
SEE DWG. NO. 54-031

MATCHLINE STA 146+00.00
SEE DWG. NO. 54-033

APPROXIMATE LOCATION OF ENTRANCE SIGN & LANDSCAPE ESMT FOR MARIETTA WALK TRACE. DO NOT DISTURB SIGN

CONVERT EXIST CB TO MH ADJUST TO GRADE

RECESS BOX (TYP)

TEMPORARY BARRIERS STA 143+50

ADJUST BLIND JB TO GRADE

APPROX. PROPERTY LINE

BUILDING

D/W ESMT

PERM. ESM'T

REQ'D R/W

CONCRETE WALL

EXIST. R/W

REMOVE 15" RCP

24'

22'

POWDER SPRINGS STREET/SR 360

CONVERT EXIST CB TO MH ADJUST TO GRADE

TEMP. ESM'T

ASPHALT PAVING

Ds1 | Ds2

G-10 G-11 G-14 G-15 H-1 H-2 H-3

Sd2-F Sd1-F

140+00 141+00 142+00 143+00 144+00 145+00 146+00

LEGEND

1 PAVEMENT REMOVAL	
2 TEMPORARY CONSTRUCTION PAVEMENT	
3 PERMANENT CONSTRUCTION	
4 MILL & OVERLAY CONSTRUCTION	
OPEN LANES OF TRAFFIC	
TEMPORARY BARRICADES	

STAGING NOTES:
1. AFTER SOUTHBOUND WIDENING CONSTRUCTION IS COMPLETE, CLOSE TO TRAFFIC WITH TERMPORARY BARRIERS. MAINTAIN CLOSURE UNTIL OVERHEAD UTILITY ARE RELOCATED AND POLES HAVE BEEN REMOVED.

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
REQ'D LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

INTERMEDIATE PHASE BMP LOCATION DETAILS STAGE 2

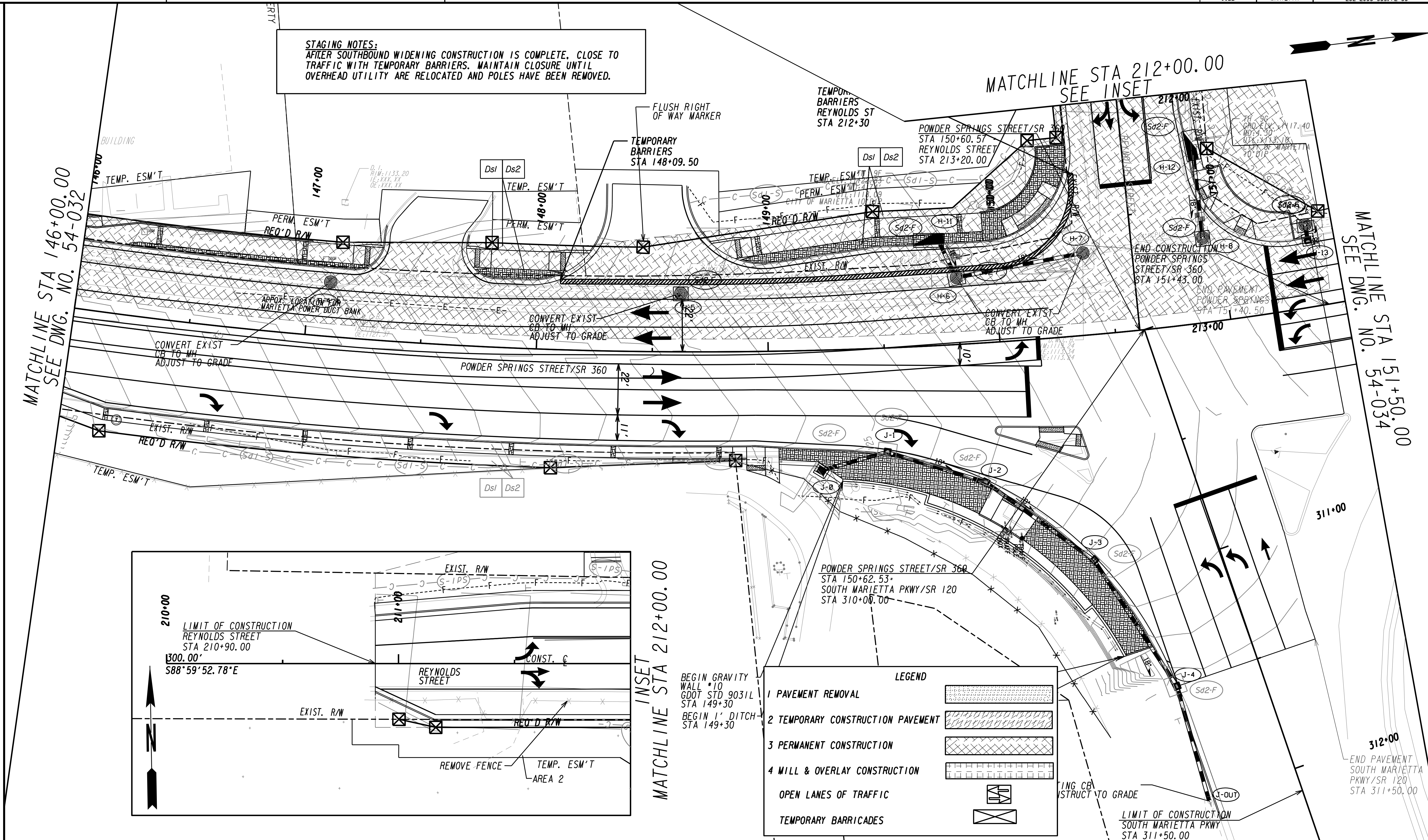
POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 54-032

12/14/2012 GPLN

6/17/2021 10:01:56 AM GPLOT-V8 64007_54-033.dgn
MRMoss ste2.tbl

COUNTY	CITY	PROJECT NUMBER
COBB	MARIETTA	282-2033-535.72-33



STAGING NOTES:
AFTER SOUTHBOUND WIDENING CONSTRUCTION IS COMPLETE, CLOSE TO TRAFFIC WITH TEMPORARY BARRIERS. MAINTAIN CLOSURE UNTIL OVERHEAD UTILITY ARE RELOCATED AND POLES HAVE BEEN REMOVED.
MATCHLINE STA 146+00.00
SEE DWG. NO. 54-032
MATCHLINE STA 212+00.00
SEE INSET
MATCHLINE STA 151+50.00
SEE DWG. NO. 54-034
BUILDING
TEMP. ESM'T
PERM. ESM'T
REQ'D R/W
EXIST. R/W
146+00
147+00
148+00
149+00
150+00
151+00
212+00
213+00
311+00
312+00
D.I.
RIM:1133.20
IE:XXX.XX
OE:XXX.XX
Dsl
Ds2
FLUSH RIGHT
OF WAY MARKER
TEMPORARY
BARRIERS
STA 148+09.50
TEMPORARY
BARRIERS
REYNOLDS ST
STA 212+30
POWDER SPRINGS STREET/SR 360
STA 150+60.57
REYNOLDS STREET
STA 213+20.00
CITY OF MARIETTA 10' DIP
REYNOLDS STREET
Sd1-S
Sd2-F
H-5
H-6
H-7
H-8
H-11
H-12
H-13
J-0
J-1
J-2
J-3
J-4
J-OUT
APPOX. LOCATION FOR
MARIETTA POWER DUCT BANK
CONVERT EXIST
CB TO MH
ADJUST TO GRADE
END CONSTRUCTION
POWDER SPRINGS
STREET/SR 360
STA 151+43.00
END PAVEMENT
POWDER SPRINGS ST
STA 151+40.50
POWDER SPRINGS STREET/SR 360
22'
10'
11'
18'
POWDER SPRINGS STREET/SR 360
STA 150+62.53=
SOUTH MARIETTA PKWY/SR 120
STA 310+00.00
BEGIN GRAVITY
WALL #10
GDOT STD 9031L
STA 149+30
BEGIN 1' DITCH
STA 149+30
LIMIT OF CONSTRUCTION
SOUTH MARIETTA PKWY
STA 311+50.00
END PAVEMENT
SOUTH MARIETTA
PKWY/SR 120
STA 311+50.00
EXIST. R/W
210+00
211+00
LIMIT OF CONSTRUCTION
REYNOLDS STREET
STA 210+90.00
300.00'
S88°59'52.78"E
REYNOLDS
STREET
CONST. ℄
REQ'D R/W
REMOVE FENCE
TEMP. ESM'T
AREA 2
N
INSET
MATCHLINE STA 212+00.00

LEGEND

1 PAVEMENT REMOVAL
2 TEMPORARY CONSTRUCTION PAVEMENT
3 PERMANENT CONSTRUCTION
4 MILL & OVERLAY CONSTRUCTION
OPEN LANES OF TRAFFIC
TEMPORARY BARRICADES

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS............BLA
END LIMIT OF ACCESS.............ELA
REQ'D LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES		
06-18-2021		

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

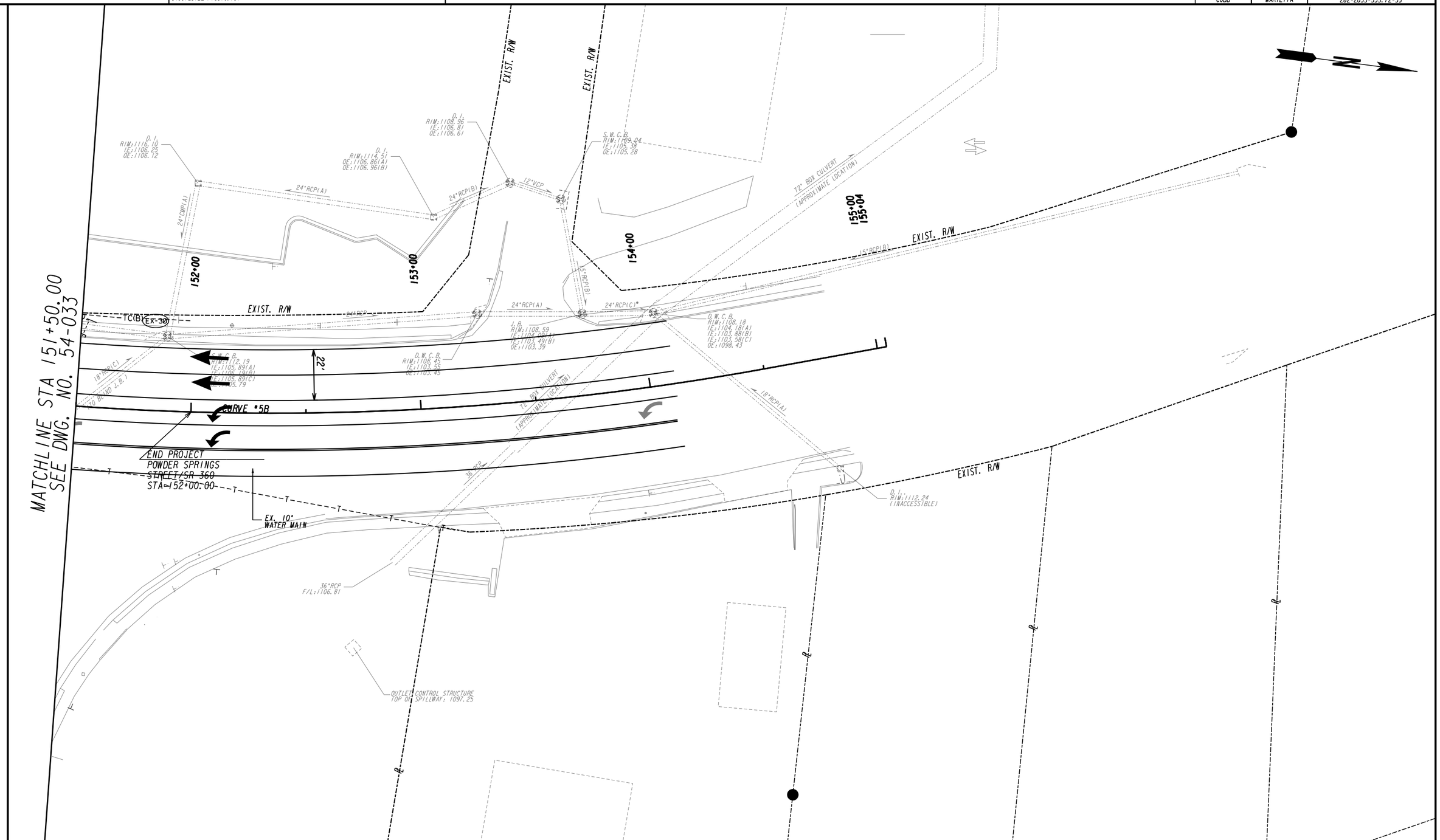
INTERMEDIATE PHASE BMP LOCATION DETAILS
STAGE 2

POWDER SPRINGS STREET
IMPROVEMENTS

DRAWING No.
54-033

12/14/2012 GPLN

4/3/2021 8:05:43 AM	GPLOT-V8	64007_54-034.dgn	COUNTY	CITY	PROJECT NUMBER
nbmorel	64007_STE2 PTable.tbl		COBB	MARIETTA	282-2033-535.72-33



PROPERTY AND EXISTING R/W LINE	----------P----------	BEGIN LIMIT OF ACCESS.....BLA	ARCADIS Design & Consultancy for natural and built assets	SCALE IN FEET 0 20 40 80	REVISION DATES
REQUIRED R/W LINE	----------	END LIMIT OF ACCESS.....ELA			
CONSTRUCTION LIMITS	----------C----------	REQ'D LIMIT OF ACCESS			
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	----------F----------	REQ'D LIMIT OF ACCESS & R/W			
EASEMENT FOR CONSTR OF SLOPES		ORANGE BARRIER FENCE			
EASEMENT FOR CONSTR OF DRIVES		ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)			

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

INTERMEDIATE PHASE BMP LOCATION DETAILS STAGE 2

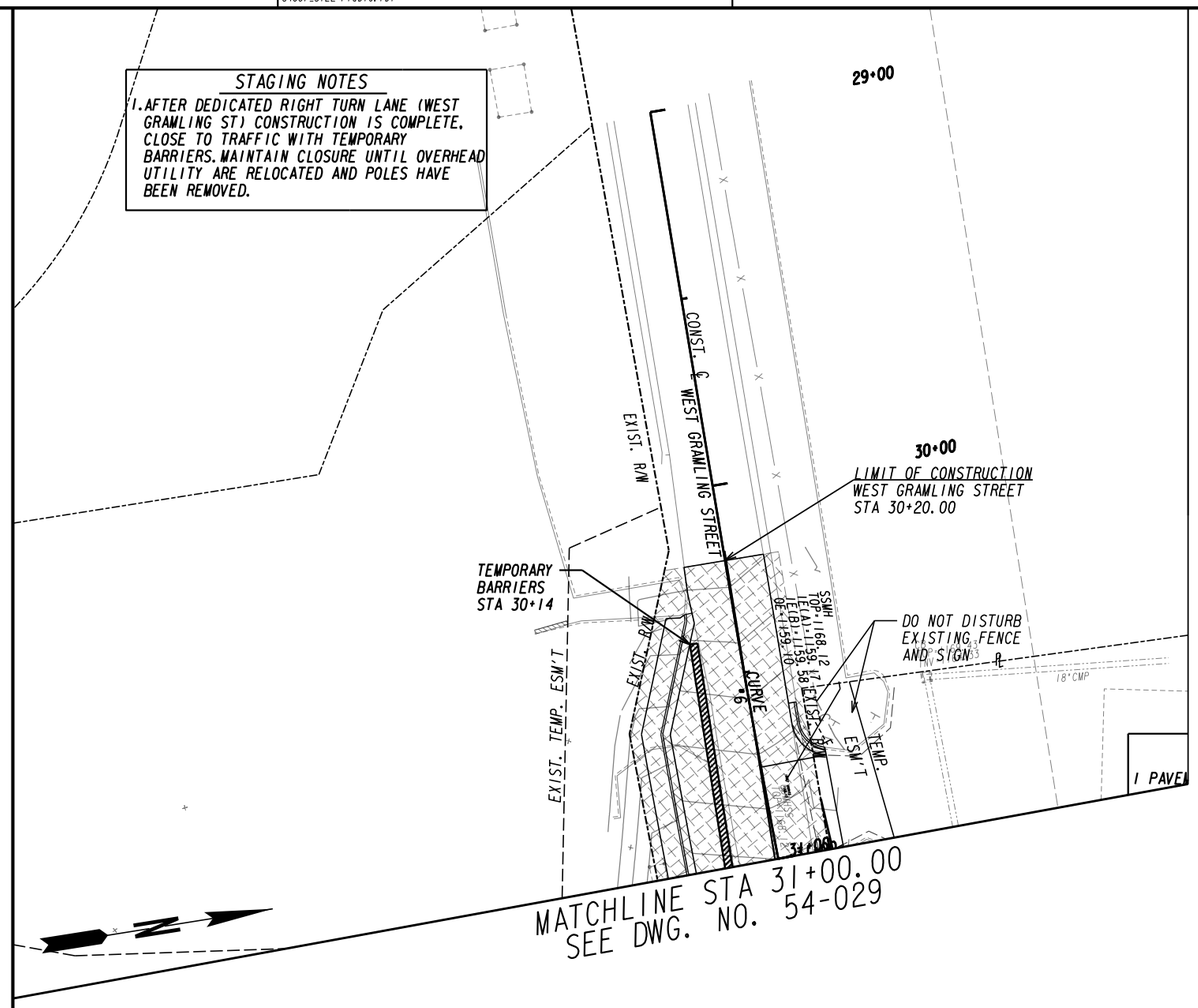
POWDER SPRINGS STREET IMPROVEMENTS

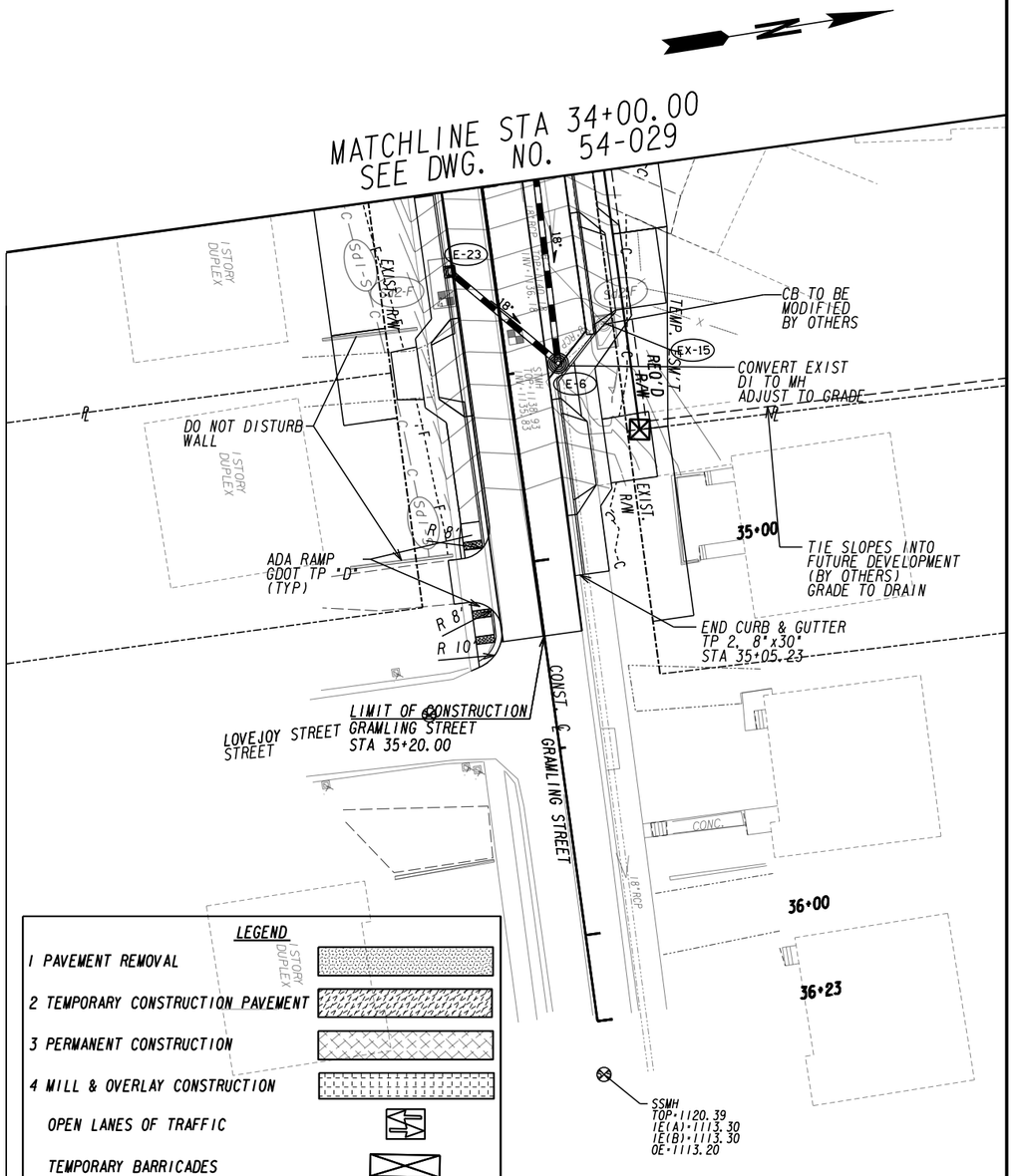
DRAWING No. 54-034

12/14/2012 GPLN

STAGING NOTES

1. AFTER DEDICATED RIGHT TURN LANE (WEST GRAWLING ST) CONSTRUCTION IS COMPLETE, CLOSE TO TRAFFIC WITH TEMPORARY BARRIERS. MAINTAIN CLOSURE UNTIL OVERHEAD UTILITY ARE RELOCATED AND POLES HAVE BEEN REMOVED.





LEGEND

1. PAVEMENT REMOVAL
2. TEMPORARY CONSTRUCTION PAVEMENT
3. PERMANENT CONSTRUCTION
4. MILL & OVERLAY CONSTRUCTION

OPEN LANES OF TRAFFIC

TEMPORARY BARRICADES

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
REQ'D LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 200 400 800

REVISION DATES

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

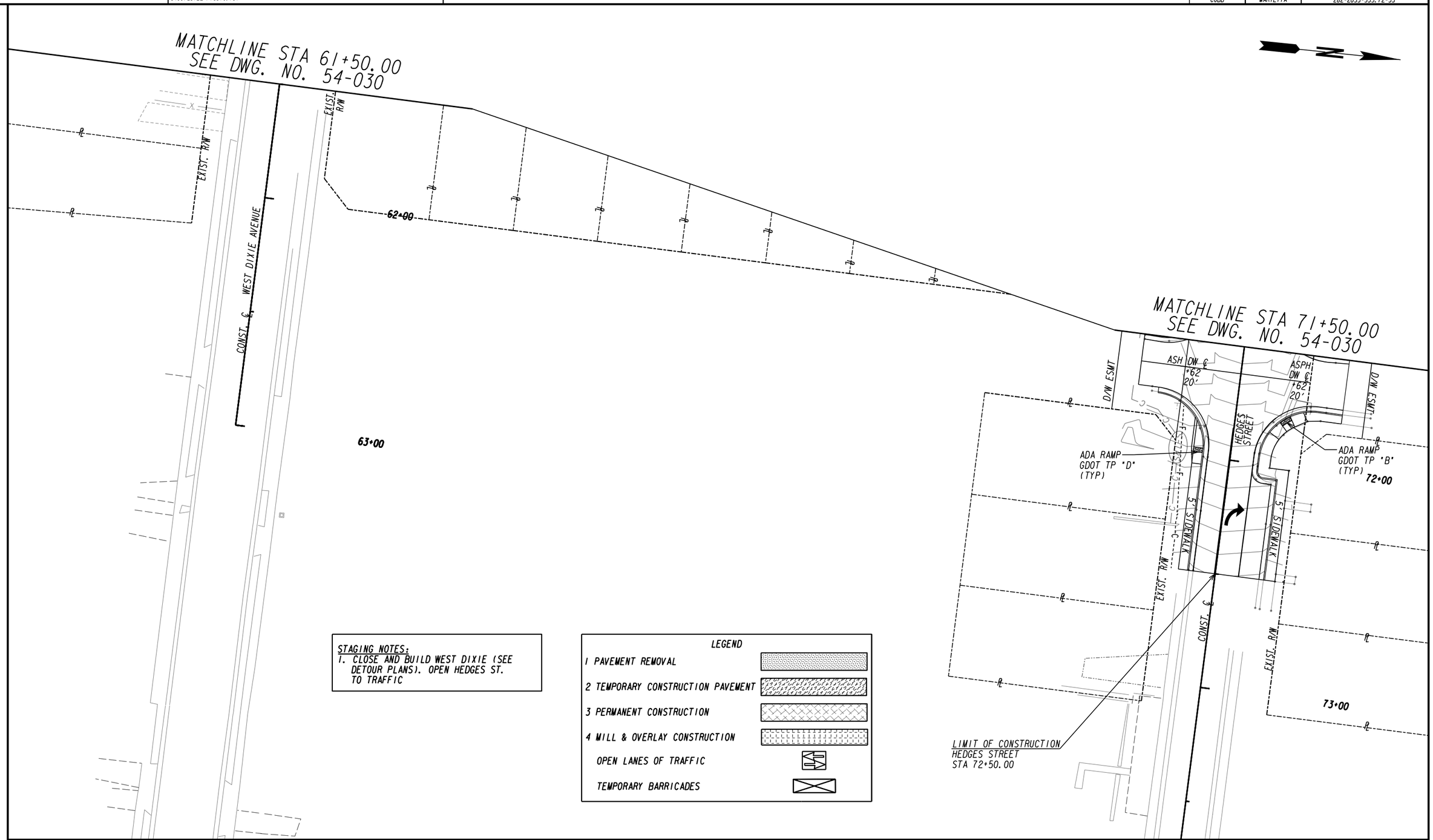
INTERMEDIATE PHASE BMP LOCATION DETAILS STAGE 2

POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 54-035

12/14/2012 GPLN

4/3/2021 8:06:43 AM	GPLOT-V8	64007_54-036.dgn	COUNTY	CITY	PROJECT NUMBER
nbmorel	64007_STE2 PTable.tbl		COBB	MARIETTA	282-2033-535.72-33



STAGING NOTES:
1. CLOSE AND BUILD WEST DIXIE (SEE DETOUR PLANS). OPEN HEDGES ST. TO TRAFFIC

LEGEND

1 PAVEMENT REMOVAL	
2 TEMPORARY CONSTRUCTION PAVEMENT	
3 PERMANENT CONSTRUCTION	
4 MILL & OVERLAY CONSTRUCTION	
OPEN LANES OF TRAFFIC	
TEMPORARY BARRICADES	

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
REQ'D LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

INTERMEDIATE PHASE BMP LOCATION DETAILS STAGE 2

POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 54-036

12/14/2012 GPLN

4/3/2021	8:07:05 AM	GPLOT-V8	64007_54-037.dgn	COUNTY	CITY	PROJECT NUMBER
nbmorel		64007_STE3 PTable.tbl		COBB	MARIETTA	282-2033-535.72-33

LEGEND

1 PAVEMENT REMOVAL

2 TEMPORARY CONSTRUCTION PAVEMENT

3 PERMANENT CONSTRUCTION

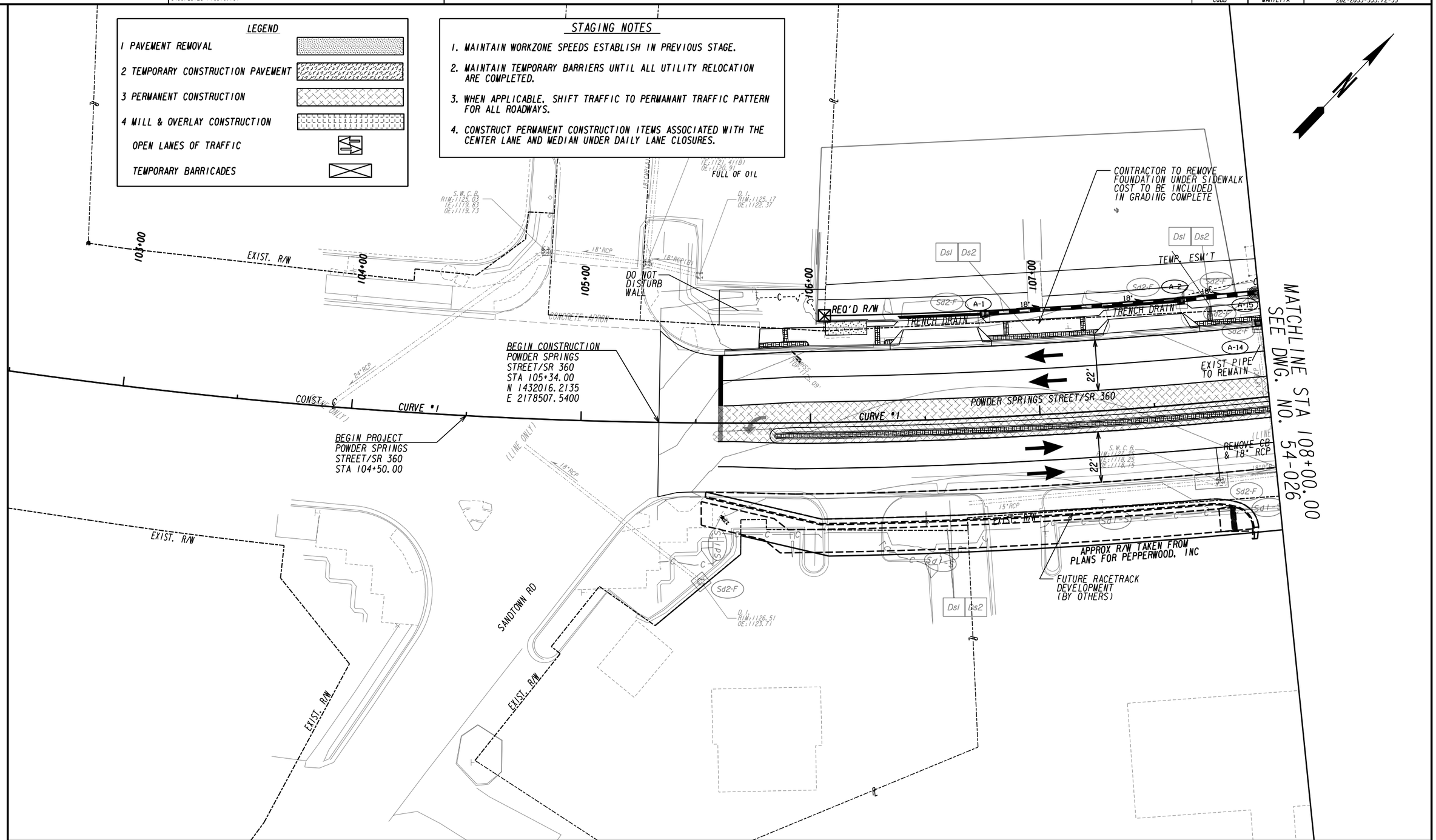
4 MILL & OVERLAY CONSTRUCTION

OPEN LANES OF TRAFFIC

TEMPORARY BARRICADES

STAGING NOTES

1. MAINTAIN WORKZONE SPEEDS ESTABLISH IN PREVIOUS STAGE.
2. MAINTAIN TEMPORARY BARRIERS UNTIL ALL UTILITY RELOCATION ARE COMPLETED.
3. WHEN APPLICABLE, SHIFT TRAFFIC TO PERMANANT TRAFFIC PATTERN FOR ALL ROADWAYS.
4. CONSTRUCT PERMANENT CONSTRUCTION ITEMS ASSOCIATED WITH THE CENTER LANE AND MEDIAN UNDER DAILY LANE CLOSURES.



PROPERTY AND EXISTING R/W LINE	BEGIN LIMIT OF ACCESS.....BLA
REQUIRED R/W LINE	END LIMIT OF ACCESS.....ELA
CONSTRUCTION LIMITS	REQ'D LIMIT OF ACCESS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	REQ'D LIMIT OF ACCESS & R/W
EASEMENT FOR CONSTR OF SLOPES	ORANGE BARRIER FENCE
EASEMENT FOR CONSTR OF DRIVES	ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

INTERMEDIATE PHASE BMP LOCATION DETAILS STAGE 3

POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 54-037

12/14/2012 GPLN

MATCHLINE STA 108+00.00
SEE DWG. NO. 54-025

MATCHLINE STA 113+50.00
SEE DWG. NO. 54-027

LEGEND

1 PAVEMENT REMOVAL
2 TEMPORARY CONSTRUCTION PAVEMENT
3 PERMANENT CONSTRUCTION
4 MILL & OVERLAY CONSTRUCTION
OPEN LANES OF TRAFFIC
TEMPORARY BARRICADES

LIMIT OF CONSTRUCTION
FAIRLANE DRIVE
STA 11+30.00

APPROX. LOCATION LINE

BEGIN 2' DITCH
STA 111+73.74

END 2' DITCH
STA 112+66.74

AREA A
AREA B
EXIST PIPE TO REMAIN
TRENCH DRAIN
D/W ESMT (LINE ONLY)
EXIST. R/W
REQ'D R/W
TEMP. ESM'T
PERM. ESM'T
BUILDING
REMOVE EXISTING PIPE
POWDER SPRINGS STREET/SR 360
CONST. ℄
REMOVE DI & 15" RCP
CONVERT EXIST MH TO DI ADJUST TO GRADE
D/W ESMT AREA B
REMOVE 24" RCP
DO NOT DISTURB EXISTING BUILDING
BEGIN CURB & GUTTER TP 2, 8"X30" STA 108+60
POWDER SPRINGS STREET STA 112+94.24 *
FAIRLANE DRIVE STA 12+00.00
* (LINE ONLY)

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
REQ'D LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

INTERMEDIATE PHASE BMP LOCATION DETAILS STAGE 3

POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 54-038

12/14/2012 GPLN

LEGEND

1 PAVEMENT REMOVAL

2 TEMPORARY CONSTRUCTION PAVEMENT

3 PERMANENT CONSTRUCTION

4 MILL & OVERLAY CONSTRUCTION

OPEN LANES OF TRAFFIC

TEMPORARY BARRICADES

MATCHLINE STA 113+50.00
SEE DWG. NO. 54-026

MATCHLINE STA 119+00.00
SEE DWG. NO. 54-028

POWDER SPRINGS STREET
STA 116+16.90 ℄
GARRISON ROAD
STA 20+00.00

CONVERT EXIST
CB TO MH
ADJUST TO GRADE

BEGIN 2' DITCH
STA 118+09.46

END 2' DITCH
STA 118+72.80

D/W ESMT

TEMP. ESM'T

EXIST. TEMP. ESM'T

EXIST. PERM. ESM'T

EXIST. R/W

REQ'D R/W

REMOVE 15" RCP & CB

REMOVE 24" RCP & CB

POWDER SPRINGS STREET/SR 360

CURVE #2A

L=252.91'
S 58° 36' 22.33" E

AREA A

AREA B

BEGIN CURB & GUTTER
TP 2, 8"X30"
STA 21+75.00

END CURB AND GUTTER
TP 2, 8"X30"
MATCH EXIST SLOPE
BEGIN MILL & INLAY
STA 21+24.50

EXISTING CB
ADJUST TO GRADE

EXISTING CB
RECONSTRUCT TO GRADE

LIMIT OF CONSTRUCTION
GARRISON ROAD
STA 22+00.00

GARRISON ROAD

PROPERTY AND EXISTING R/W LINE	℄
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	C F
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
REQ'D LIMIT OF ACCESS	
REQ'D LIMIT OF ACCESS & R/W	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

INTERMEDIATE PHASE BMP LOCATION DETAILS STAGE 3

POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 54-039

12/14/2012 GPLN

4/3/2021 8:08:14 AM nbmorel	GPLOT-V8 64007_STE3 PTable.tbl	64007_54-040.dgn	COUNTY	CITY	PROJECT NUMBER
			COBB	MARIETTA	282-2033-535.72-33

MATCHLINE STA 119+00.00
SEE DWG. NO. 54-027

MATCHLINE STA 124+50.00
SEE DWG. NO. 54-029

LEGEND

1 PAVEMENT REMOVAL

2 TEMPORARY CONSTRUCTION PAVEMENT

3 PERMANENT CONSTRUCTION

4 MILL & OVERLAY CONSTRUCTION

OPEN LANES OF TRAFFIC

TEMPORARY BARRICADES

EXIST. TEMP. ESM'T

EXIST. PERM. ESM'T

EXIST. R/W

EXIST. TEMP. ESM'T

EXIST. PERM. ESM'T

EXIST. R/W

CONVERT EXIST CB TO MH ADJUST TO GRADE

120+00

121+00

122+00

123+00

124+00

D-8 D-9 D-10 D-11 D-12 D-13 D-22 D-28 D-29 D-30 D-31 Ex-9

Sd2-F Sd1-S Ds1 Ds2

22'

18'

POWDER SPRINGS STREET/SR 360

EXIST. R/W

BUILDING

BUILDING

AREA B

AREA A

PERM. ESM'T

REQ'D R/W

TEMP. ESM'T

EXIST. R/W

PROPERTY AND EXISTING R/W LINE	℄
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	C F
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
REQ'D LIMIT OF ACCESS	
REQ'D LIMIT OF ACCESS & R/W	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

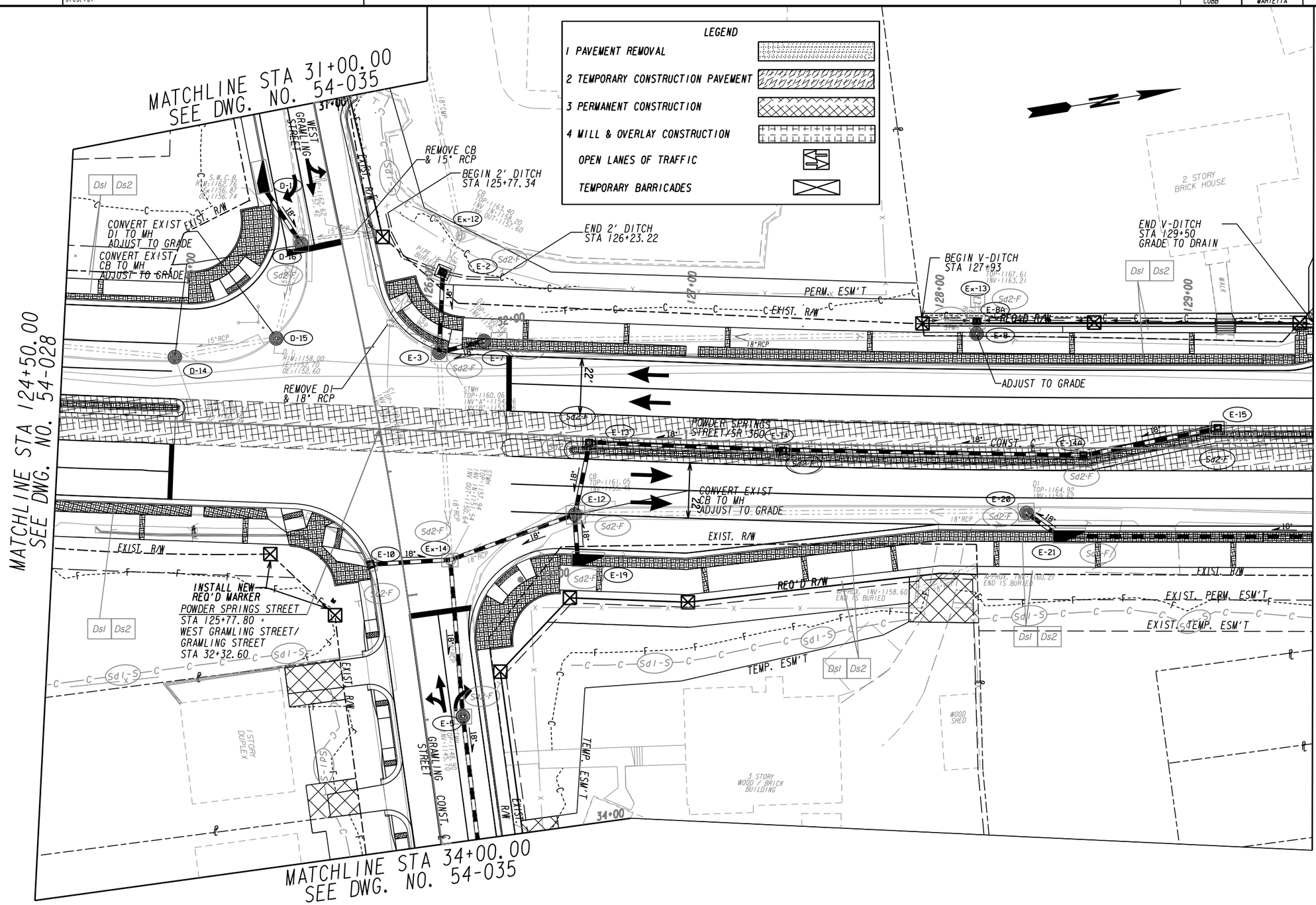
INTERMEDIATE PHASE BMP LOCATION DETAILS STAGE 3

POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 54-040

12/14/2012 GPLN

6/17/2021	10:10:42 AM	GPLOT-V8	64007_54-041.dgn	COUNTY	CITY	PROJECT NUMBER
MRMoss		ste3.tbl		COBB	MARIETTA	282-2033-535.72-33



PROPERTY AND EXISTING R/W LINE	BEGIN LIMIT OF ACCESS.....BLA
REQUIRED R/W LINE	END LIMIT OF ACCESS.....ELA
CONSTRUCTION LIMITS	REQ'D LIMIT OF ACCESS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	REQ'D LIMIT OF ACCESS & R/W
EASEMENT FOR CONSTR OF SLOPES	ORANGE BARRIER FENCE
EASEMENT FOR CONSTR OF DRIVES	ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES		
06-18-2021		

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

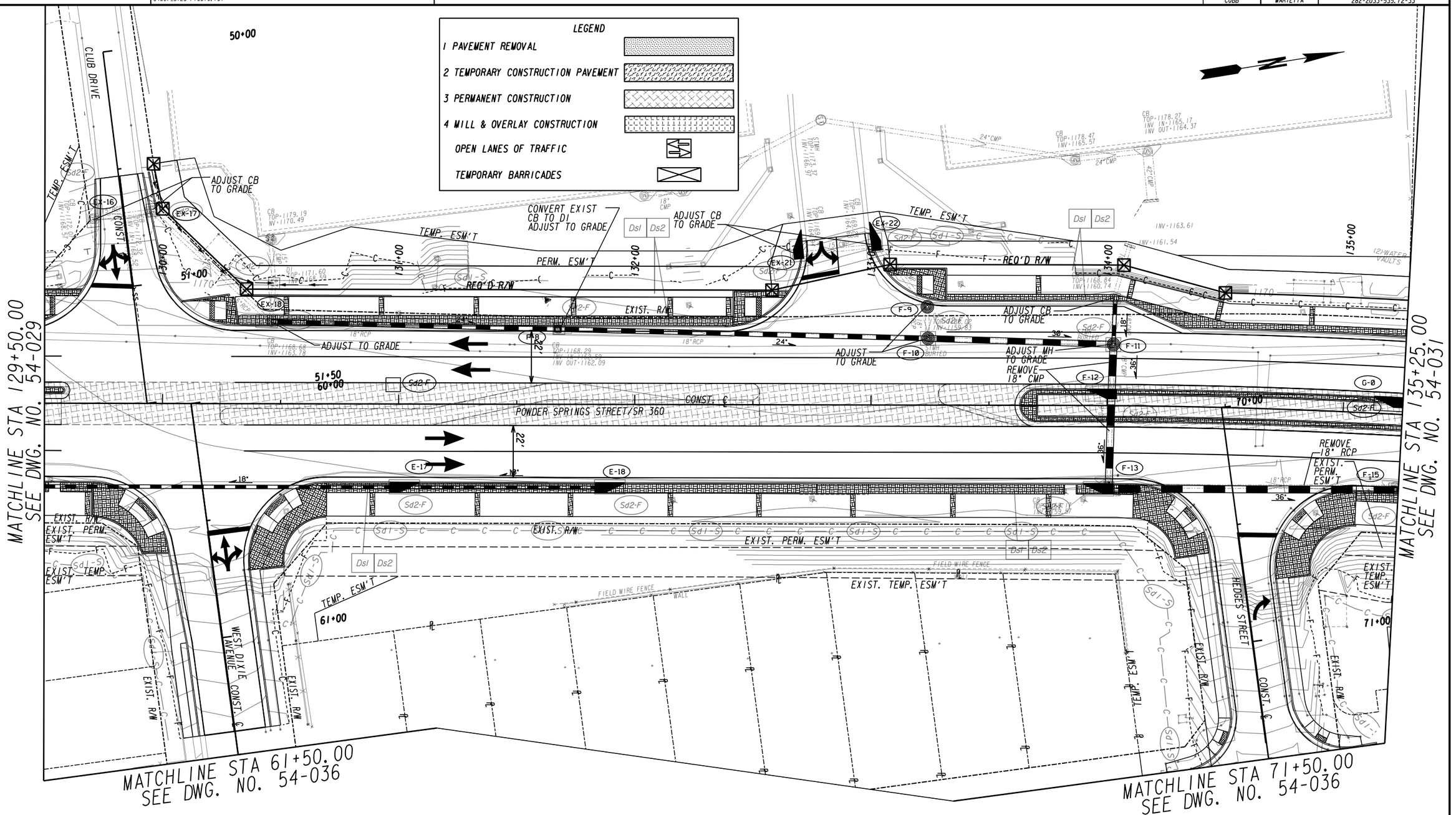
INTERMEDIATE PHASE BMP LOCATION DETAILS STAGE 3

POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 54-041

12/14/2012 GPLN

4/3/2021 8:09:05 AM	GPLOT-V8	64007_54-042.dgn	COUNTY	CITY	PROJECT NUMBER
nbmorel	64007_STE3 PTable.tbl		COBB	MARIETTA	282-2033-535.72-33



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
REQ'D LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

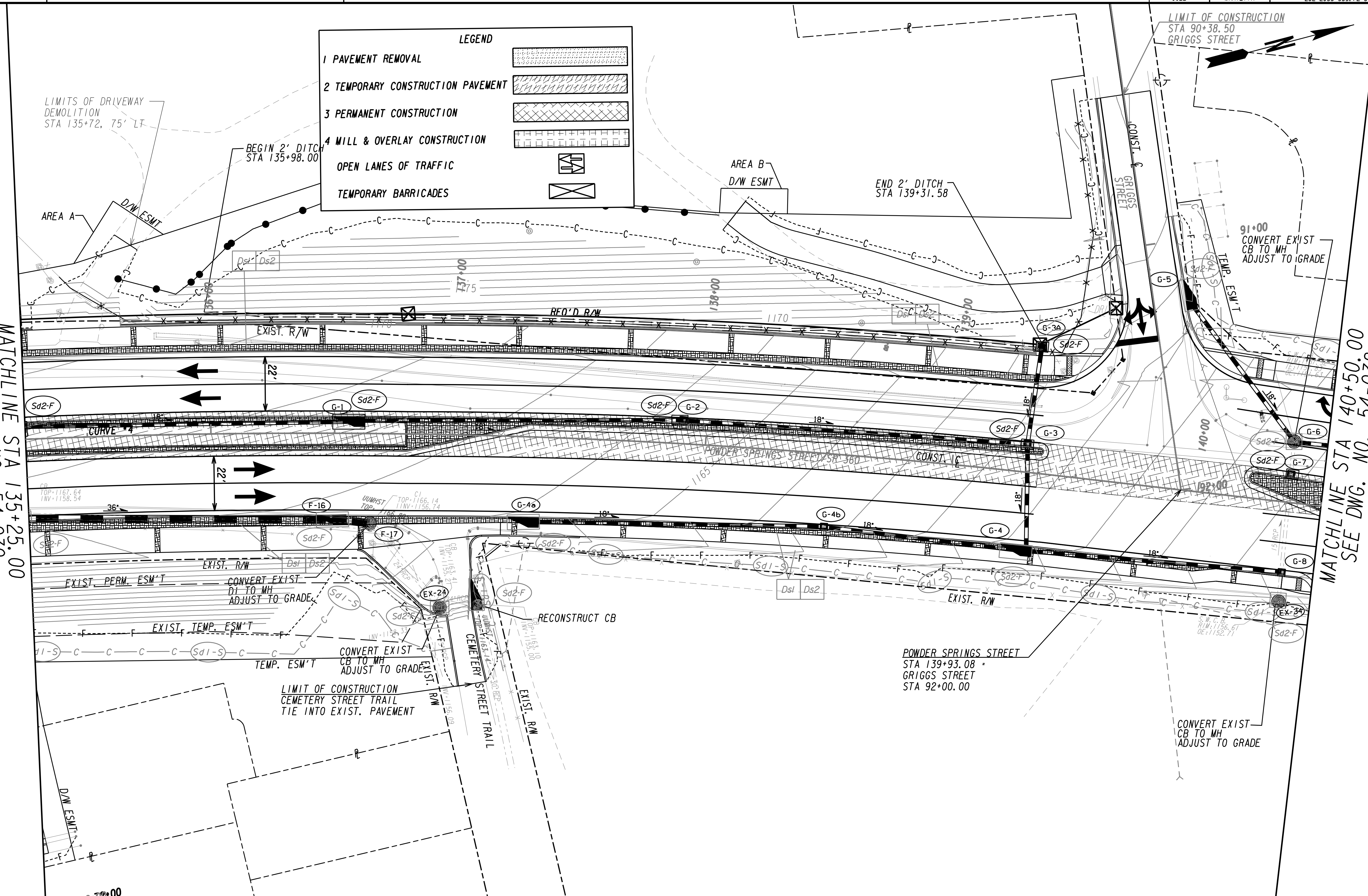
INTERMEDIATE PHASE BMP LOCATION DETAILS STAGE 3

POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 54-042

12/14/2012 GPLN

COUNTY	CITY	PROJECT NUMBER
COBB	MARIETTA	282-2033-535.72-33


LEGEND
1 PAVEMENT REMOVAL
2 TEMPORARY CONSTRUCTION PAVEMENT
3 PERMANENT CONSTRUCTION
4 MILL & OVERLAY CONSTRUCTION
OPEN LANES OF TRAFFIC
TEMPORARY BARRICADES
LIMITS OF DRIVEWAY DEMOLITION STA 135+72, 75' LT
BEGIN 2' DITCH STA 135+98.00
AREA A
D/W ESMT
AREA B
D/W ESMT
END 2' DITCH STA 139+31.58
LIMIT OF CONSTRUCTION STA 90+38.50 GRIGGS STREET
CONST. ℄
GRIGGS STREET
91+00
CONVERT EXIST CB TO MH ADJUST TO GRADE
TEMP. ESM'T
REQ'D R/W
EXIST. R/W
137+00
138+00
139+00
140+00
1175
1170
1165
22'
18"
36"
CURVE #4
POWDER SPRINGS STREET/SR 360
CONST. ℄
192+00
MATCHLINE STA 135+25.00 SEE DWG. NO. 54-030
MATCHLINE STA 140+50.00 SEE DWG. NO. 54-032
CB TOP=1167.64 INV=1158.54
CI TOP=1166.14 INV=1156.74
G-1
G-2
G-3
G-3A
G-4
G-4a
G-4b
G-5
G-6
G-7
G-8
F-16
F-17
EX-24
EX-34
Sd2-F
Sd1-S
Ds1 Ds2
EXIST. PERM. ESM'T
CONVERT EXIST DI TO MH ADJUST TO GRADE
EXIST. TEMP. ESM'T
TEMP. ESM'T
CONVERT EXIST CB TO MH ADJUST TO GRADE
RECONSTRUCT CB
LIMIT OF CONSTRUCTION CEMETERY STREET TRAIL TIE INTO EXIST. PAVEMENT
EXIST. R/W
CEMETERY STREET TRAIL
POWDER SPRINGS STREET STA 139+93.08 = GRIGGS STREET STA 92+00.00
CONVERT EXIST CB TO MH ADJUST TO GRADE
S.W.C.B. RIM:1156.61 OE:1152.71
D/W ESMT
72+00

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS............BLA
END LIMIT OF ACCESS.............ELA
REQ'D LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES
06-18-2021

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

INTERMEDIATE PHASE BMP LOCATION DETAILS STAGE 3

POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 54-043

12/14/2012 GPLN

4/3/2021	8:09:57 AM	GPLOT-V8	64007_54-044.dgn	COUNTY	CITY	PROJECT NUMBER
nbmorel		64007_STE3 PTable.tbl		COBB	MARIETTA	282-2033-535.72-33

MATCHLINE STA 140+50.00
SEE DWG. NO. 54-031

MATCHLINE STA 146+00.00
SEE DWG. NO. 54-033

LEGEND

1 PAVEMENT REMOVAL

2 TEMPORARY CONSTRUCTION PAVEMENT

3 PERMANENT CONSTRUCTION

4 MILL & OVERLAY CONSTRUCTION

OPEN LANES OF TRAFFIC

TEMPORARY BARRICADES

APPROX. LOCATION OF ENTRANCE SIGN & LANDSCAPE ESMT FOR MARIETTA WALK TRACE. DO NOT DISTURB SIGN

CONVERT EXIST CB TO MH ADJUST TO GRADE

RECESS BOX (TYP)

ADJUST BLIND JB TO GRADE

APPROX. PROPERTY LINE

BUILDING

CONCRETE WALL

EXIST. R/W

D/W ESMT

PERM. ESM'T

REQ'D R/W

REMOVE 15" RCP

22'

POWDER SPRINGS STREET (SR 360)

CONVERT EXIST CB TO MH ADJUST TO GRADE

TEMP. ESM'T

ASPHALT PAVING

PROPERTY AND EXISTING R/W LINE	BEGIN LIMIT OF ACCESS.....BLA
REQUIRED R/W LINE	END LIMIT OF ACCESS.....ELA
CONSTRUCTION LIMITS	REQ'D LIMIT OF ACCESS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	REQ'D LIMIT OF ACCESS & R/W
EASEMENT FOR CONSTR OF SLOPES	ORANGE BARRIER FENCE
EASEMENT FOR CONSTR OF DRIVES	ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

INTERMEDIATE PHASE BMP LOCATION DETAILS STAGE 3

POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 54-044

12/14/2012 GPLN

6/17/2021 10:19:25 AM	GPLOT-V8	64007_54-045.dgn	COUNTY	CITY	PROJECT NUMBER
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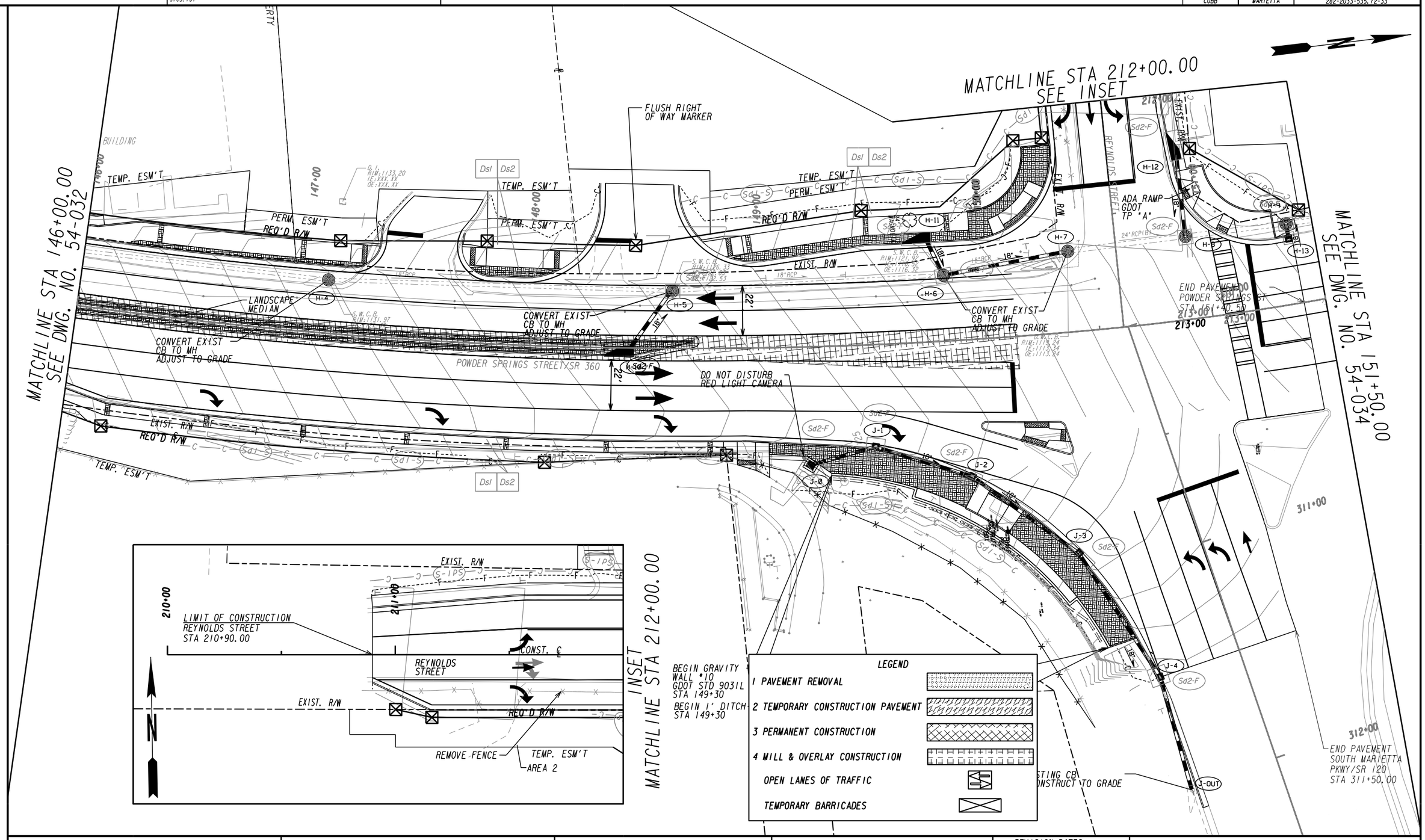


PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
REQ'D LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES		
06-18-2021		

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

INTERMEDIATE PHASE BMP LOCATION DETAILS STAGE 3

POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 54-045

12/14/2012 GPLN

4/3/2021	8:11:06 AM	GPLOT-V8	64007_54-046.dgn	COUNTY	CITY	PROJECT NUMBER
nbmorel		64007_STE3 PTable.tbl		COBB	MARIETTA	282-2033-535.72-33

STAGING NOTES:
1. NO CONSTRUCTION ON THIS SHEET.

MATCHLINE STA 151+50.00
SEE DWG. NO. 54-033

EXIST. R/W

EX-30

24"RCP(A)

24"RCP(B)

12"VCP

24"CMP(A)

D.I.
RIM:1116.10
IE:1106.25
OE:1106.12

D.I.
RIM:1114.51
OE:1106.86(A)
OE:1106.96(B)

D.I.
RIM:1108.96
IE:1106.81
OE:1106.61

S.W.C.B.
RIM:1109.04
IE:1105.38
OE:1105.28

72" BOX CULVERT
(APPROXIMATE LOCATION)

152+00

153+00

154+00

155+00
155+04

15"RCP(B)

5"RCP(B)

24"RCP(C)*

D.W.C.B.
RIM:1108.18
IE:1104.18(A)
IE:1103.88(B)
IE:1103.58(C)
OE:1098.43

I.B.
RIM:1108.59
IE:1103.09(A)
IE:1103.49(B)
OE:1103.39

D.W.C.B.
RIM:1108.45
IE:1103.75
OE:1103.45

S.W.C.B.
RIM:1108.29
IE:1105.89(A)
IE:1105.99(B)
IE:1105.79(C)

18"RCP(C)

30" BLIND I.B.

22'

CONST. ℄ POWDER SPRINGS STREET/SR 360

END PROJECT
POWDER SPRINGS
STREET/SR 360
STA 152+00.00

72" BOX CULVERT
(APPROXIMATE LOCATION)

18"RCP(A)

D.I.
RIM:1112.24
(INACCESSTBLE)

36"RCP
F/L:1106.81

OUTLET CONTROL STRUCTURE
TOP OF SPILLWAY: 1097.25

℄

PROPERTY AND EXISTING R/W LINE	----------P----------
REQUIRED R/W LINE	----------⊠----------
CONSTRUCTION LIMITS	---C---F---
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA	
END LIMIT OF ACCESS.....ELA	
REQ'D LIMIT OF ACCESS	ooo ooo
REQ'D LIMIT OF ACCESS & R/W	||| |||
ORANGE BARRIER FENCE	●●●
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	▼▼▼

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

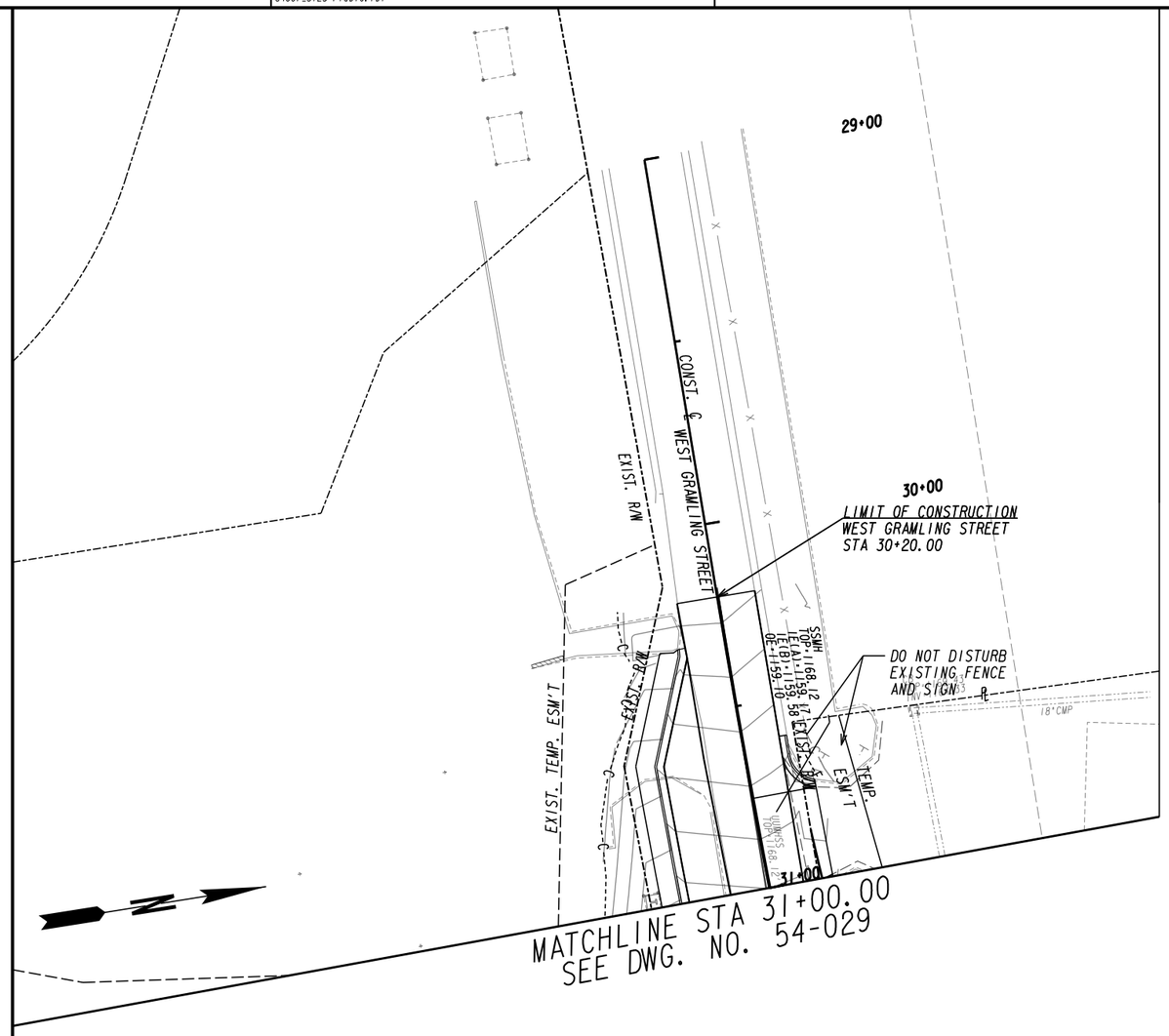
INTERMEDIATE PHASE BMP LOCATION DETAILS STAGE 3

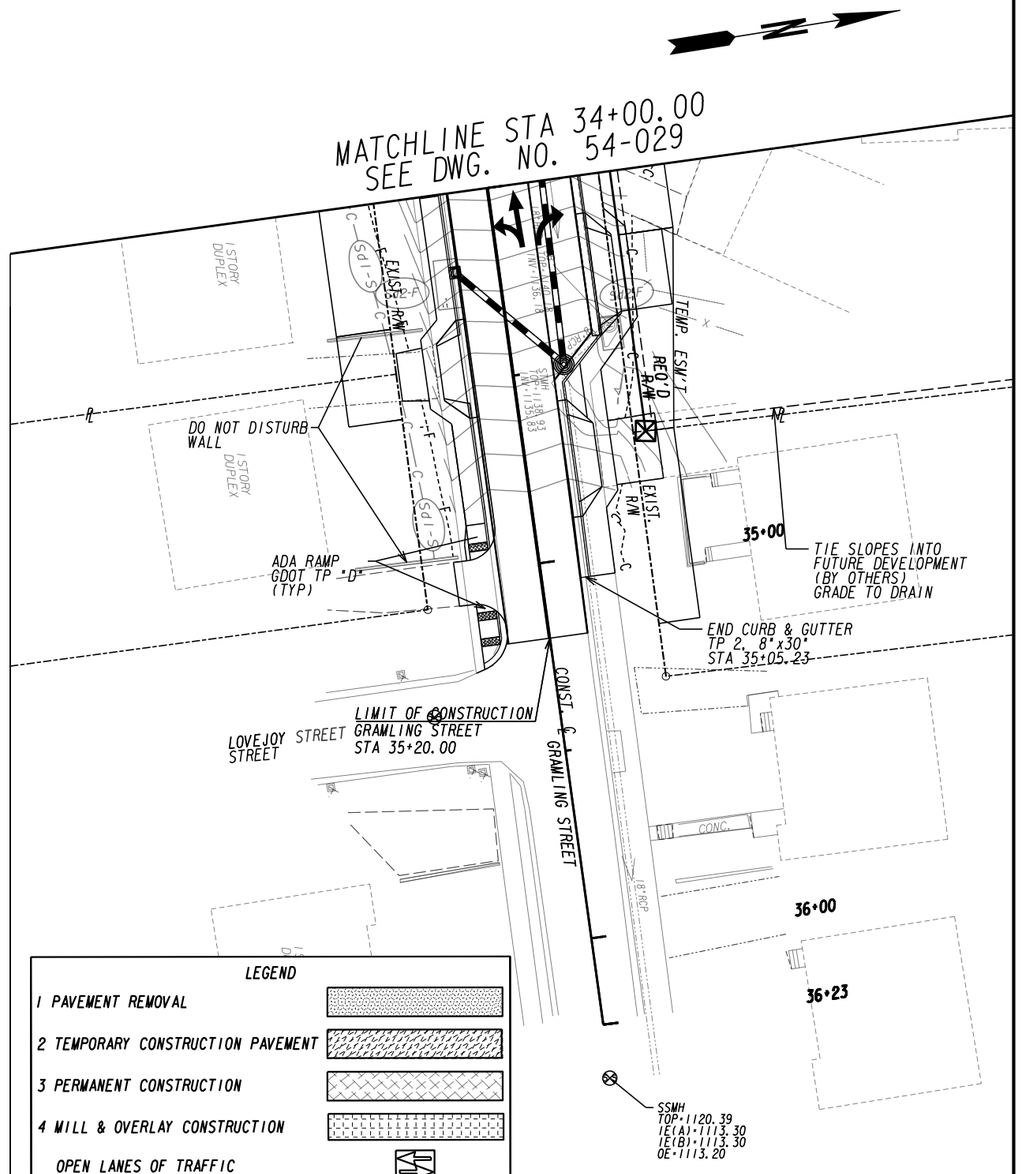
POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 54-046

12/14/2012 GPLN

COUNTY	CITY	PROJECT NUMBER
COBB	MARIETTA	282-2033-535.72-33





LEGEND

1 PAVEMENT REMOVAL	
2 TEMPORARY CONSTRUCTION PAVEMENT	
3 PERMANENT CONSTRUCTION	
4 MILL & OVERLAY CONSTRUCTION	
OPEN LANES OF TRAFFIC	
TEMPORARY BARRICADES	

PROPERTY AND EXISTING R/W LINE	℄
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	C
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	F

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
REQ'D LIMIT OF ACCESS	
REQ'D LIMIT OF ACCESS & R/W	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 200 400 800

REVISION DATES

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

INTERMEDIATE PHASE BMP LOCATION DETAILS STAGE 3

POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 54-047

12/14/2012 GPLN

4/3/2021 8:12:26 AM	GPLOT-V8	64007_54-048.dgn	COUNTY	CITY	PROJECT NUMBER
nbmorel	64007_STE3 PTable.tbl		COBB	MARIETTA	282-2033-535.72-33

MATCHLINE STA 61+50.00
SEE DWG. NO. 54-030

EXIST. R/W

CONST. ℄ WEST DIXIE AVENUE

EXIST. R/W

62+00

63+00

MATCHLINE STA 71+50.00
SEE DWG. NO. 54-030

D/W ESMT

ASH DW ℄ +62 20'

ASPH DW ℄ +62 20'

D/W ESMT

+72.0 35.4'

R 25'

R 25'

HEDGES STREET

+97 10.22'

ADA RAMP GDOT TP "B" (TYP)

+97 9.8'

ADA RAMP GDOT TP "D" (TYP)

72+00

R 5'

+3.2 10.22'

5' SIDEWALK

5' SIDEWALK

EXIST. R/W

CONST. ℄

EXIST. R/W

73+00

LIMIT OF CONSTRUCTION
HEDGES STREET
STA 72+50.00

LIMIT OF CONSTRUCTION
HEDGES STREET
STA 72+50.00

LEGEND

1 PAVEMENT REMOVAL	
2 TEMPORARY CONSTRUCTION PAVEMENT	
3 PERMANENT CONSTRUCTION	
4 MILL & OVERLAY CONSTRUCTION	
OPEN LANES OF TRAFFIC	
TEMPORARY BARRICADES	

PROPERTY AND EXISTING R/W LINE ------℄------
REQUIRED R/W LINE
CONSTRUCTION LIMITS ---C---F---
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
REQ'D LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

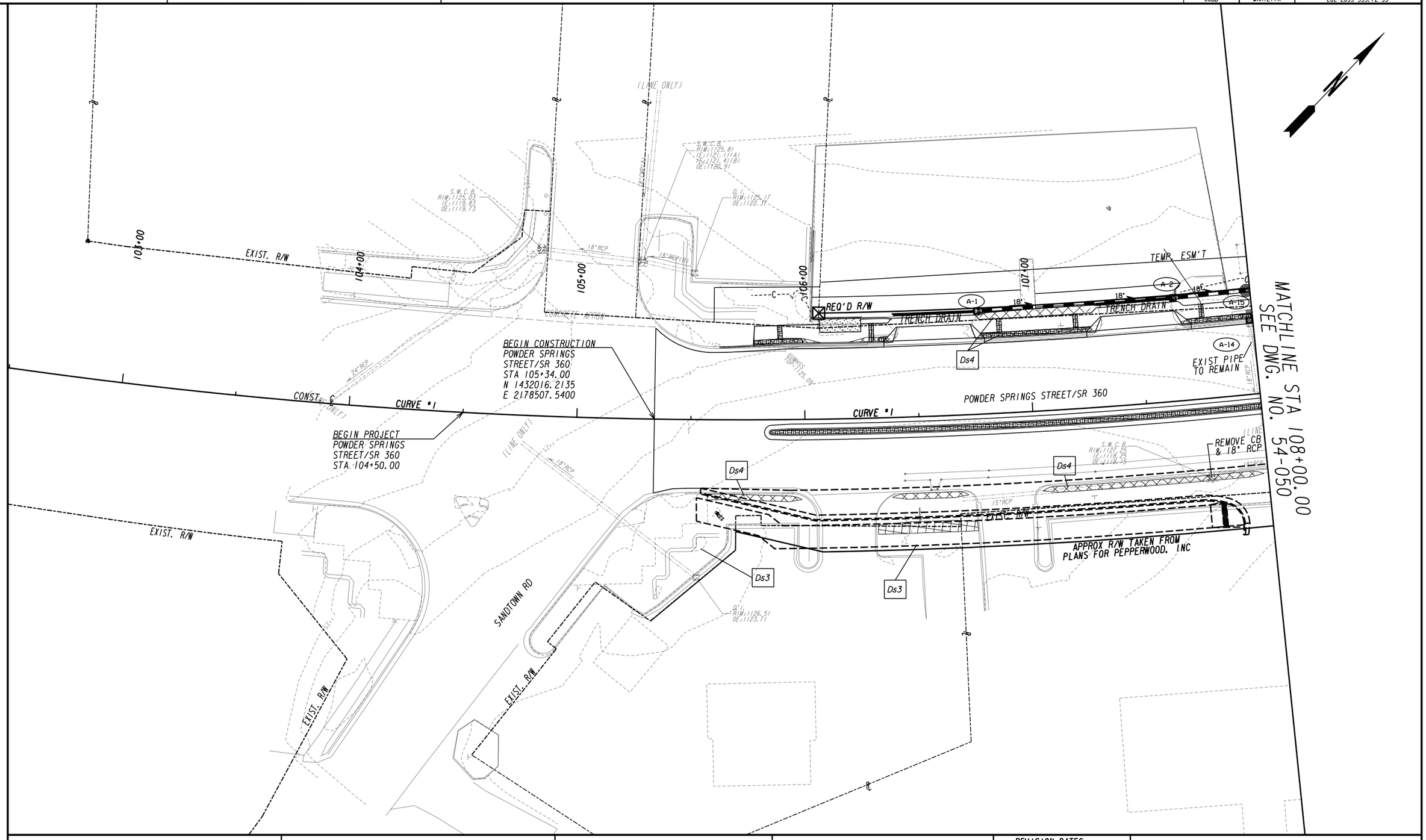
INTERMEDIATE PHASE BMP LOCATION DETAILS STAGE 3

POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 54-048

12/14/2012 GPLN

4/3/2021 8:12:50 AM	GPLOT-V8	64007_54-049.dgn	COUNTY	CITY	PROJECT NUMBER
nbmorel	64007_DRNG and Erosion Control PTable.tbl		COBB	MARIETTA	282-2033-535.72-33



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
REQ'D LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES		

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

FINAL PHASE BMP LOCATION DETAILS

POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 54-049

12/14/2012 GPLN

MATCHLINE STA 108+00.00
SEE DWG. NO. 54-049

MATCHLINE STA 113+50.00
SEE DWG. NO. 54-051

LIMIT OF CONSTRUCTION
FAIRLANE DRIVE
STA 11+30.00

BEGIN 2' DITCH
STA 111+73.74

END 2' DITCH
STA 112+66.74

AREA A

AREA B

EXIST PIPE TO REMAIN

D/W ESMT (LINE ONLY)

TRENCH DRAIN

TRENCH DRAIN

EXIST. R/W

REQ'D R/W

PERM. ESM'T

TEMP. ESM'T

TEMP. ESM'T

CURVE #1

CURVE #2

FAIRLANE DRIVE

POWDER SPRINGS STREET (SR 360)

CONST. ℄

REMOVE DI & 15" RCP

REMOVE EXISTING PIPE

CONVERT EXIST MH TO DI ADJUST TO GRADE

TEMP. ESM'T

D/W ESMT AREA B

AREA A

REMOVE 24" RCP

DO NOT DISTURB EXISTING BUILDING

POWDER SPRINGS STREET
STA 112+94.24
FAIRLANE DRIVE
STA 12+00.00

BUILDING

11+00

12+00

PROPERTY AND EXISTING R/W LINE	℄
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	C
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	F

BEGIN LIMIT OF ACCESS.....BLA	
END LIMIT OF ACCESS.....ELA	
REQ'D LIMIT OF ACCESS	
REQ'D LIMIT OF ACCESS & R/W	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

FINAL PHASE BMP LOCATION DETAILS

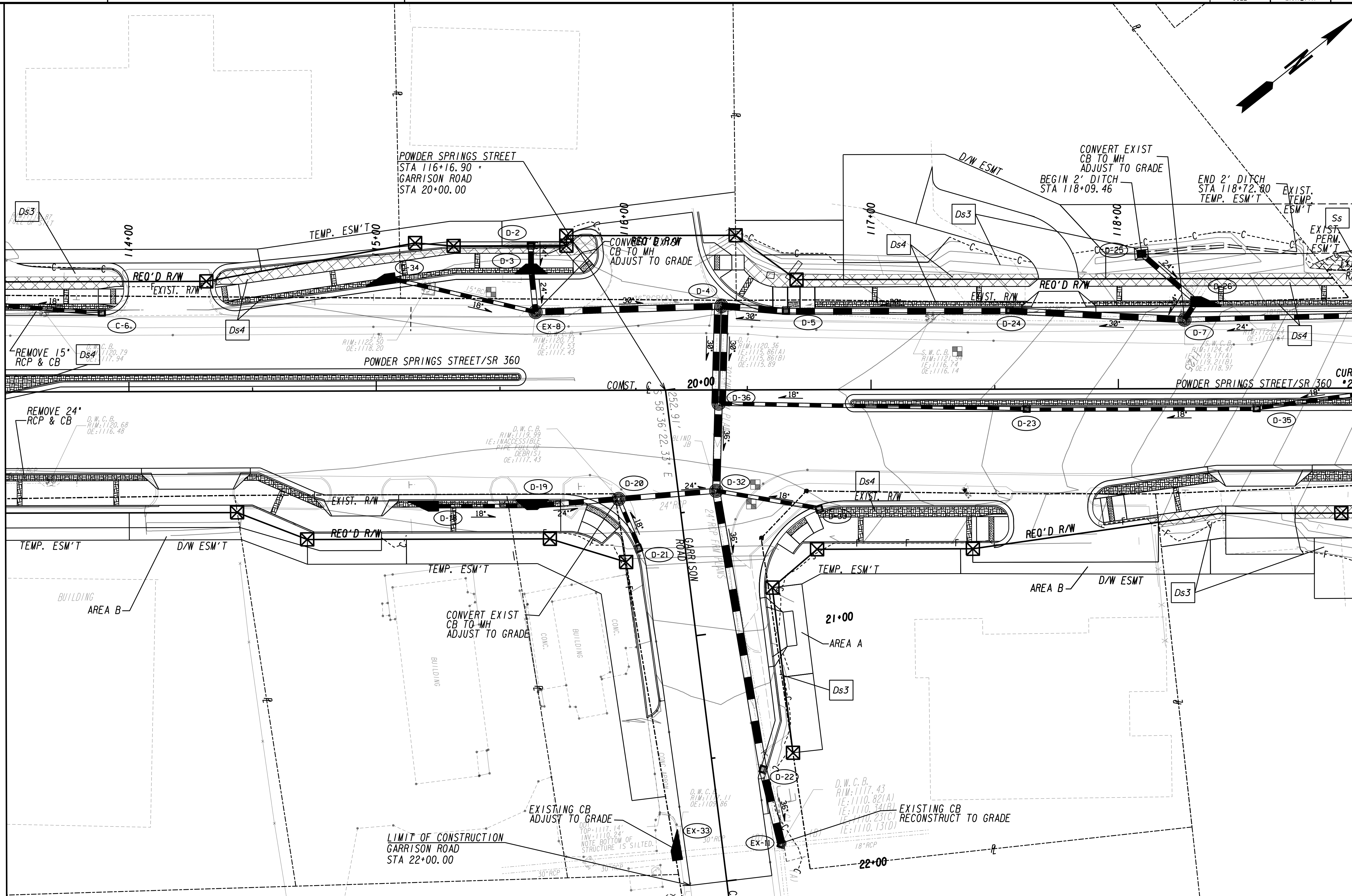
POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 54-050

12/14/2012 GPLN

COUNTY	CITY	PROJECT NUMBER
COBB	MARIETTA	282-2033-535.72-33

MATCHLINE STA 113+50.00
SEE DWG. NO. 54-050


POWDER SPRINGS STREET
STA 116+16.90 =
GARRISON ROAD
STA 20+00.00
CONVERT EXIST
CB TO MH
ADJUST TO GRADE
BEGIN 2' DITCH
STA 118+09.46
END 2' DITCH
STA 118+72.80
TEMP. ESM'T
EXIST. TEMP. ESM'T
EXIST. PERM. ESM'T
EXIST. R/W
REQ'D R/W
D/W ESMT
D/W ESM'T
TEMP. ESM'T
POWDER SPRINGS STREET/SR 360
CURVE #2A
CONST. CL
REMOVE 15" RCP & CB
REMOVE 24" RCP & CB
GARRISON ROAD
AREA A
AREA B
BUILDING
CONC.
CONC. APRON
EXISTING CB
ADJUST TO GRADE
EXISTING CB
RECONSTRUCT TO GRADE
LIMIT OF CONSTRUCTION
GARRISON ROAD
STA 22+00.00
Ds3
Ds4
Ss
D-2
D-3
D-4
D-5
D-7
D-18
D-19
D-20
D-21
D-22
D-23
D-24
D-25
D-26
D-32
D-33
D-34
D-35
D-36
EX-8
EX-11
EX-33
C-6
114+00
115+00
116+00
117+00
118+00
119+00
20+00
21+00
22+00
S 58°36'22.33" E
252.91'
D.W.C.B.
RIM:1120.79
OE:1117.94
D.W.C.B.
RIM:1120.68
OE:1116.48
J.B.
RIM:1122.50
OE:1118.20
D.W.C.B.
RIM:1120.73
IE:1117.53
OE:1117.43
D.I.
RIM:1120.36
IE:1115.86(A)
IE:1115.86(B)
OE:1115.89
S.W.C.B.
RIM:1121.94
IE:1116.74
OE:1116.14
S.W.C.B.
RIM:1124.47
IE:1119.17(A)
IE:1119.21(B)
OE:1118.97
D.W.C.B.
RIM:1119.99
IE:INACCESSIBLE
PIPE FULL OF
DEBRIS)
OE:1117.43
BLIND JB
D.W.C.B.
RIM:1117.11
OE:1109.86
D.W.C.B.
RIM:1117.43
IE:1110.82(A)
IE:1110.34(B)
IE:1110.23(C)
IE:1110.13(D)
DDI
TOP=1117.14'
INV=1110.24'
NOTE BOTTOM OF
STRUCTURE IS SILTED.
24"RCP
30"RCP
18"RCP
N

MATCHLINE STA 119+00.00
SEE DWG. NO. 54-052

PROPERTY AND EXISTING R/W LINE		
REQUIRED R/W LINE		
CONSTRUCTION LIMITS	C F	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES		
EASEMENT FOR CONSTR OF SLOPES		

BEGIN LIMIT OF ACCESS............BLA
END LIMIT OF ACCESS..............ELA
REQ'D LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE

ARCADIS Design & Consultancy for natural and built assets

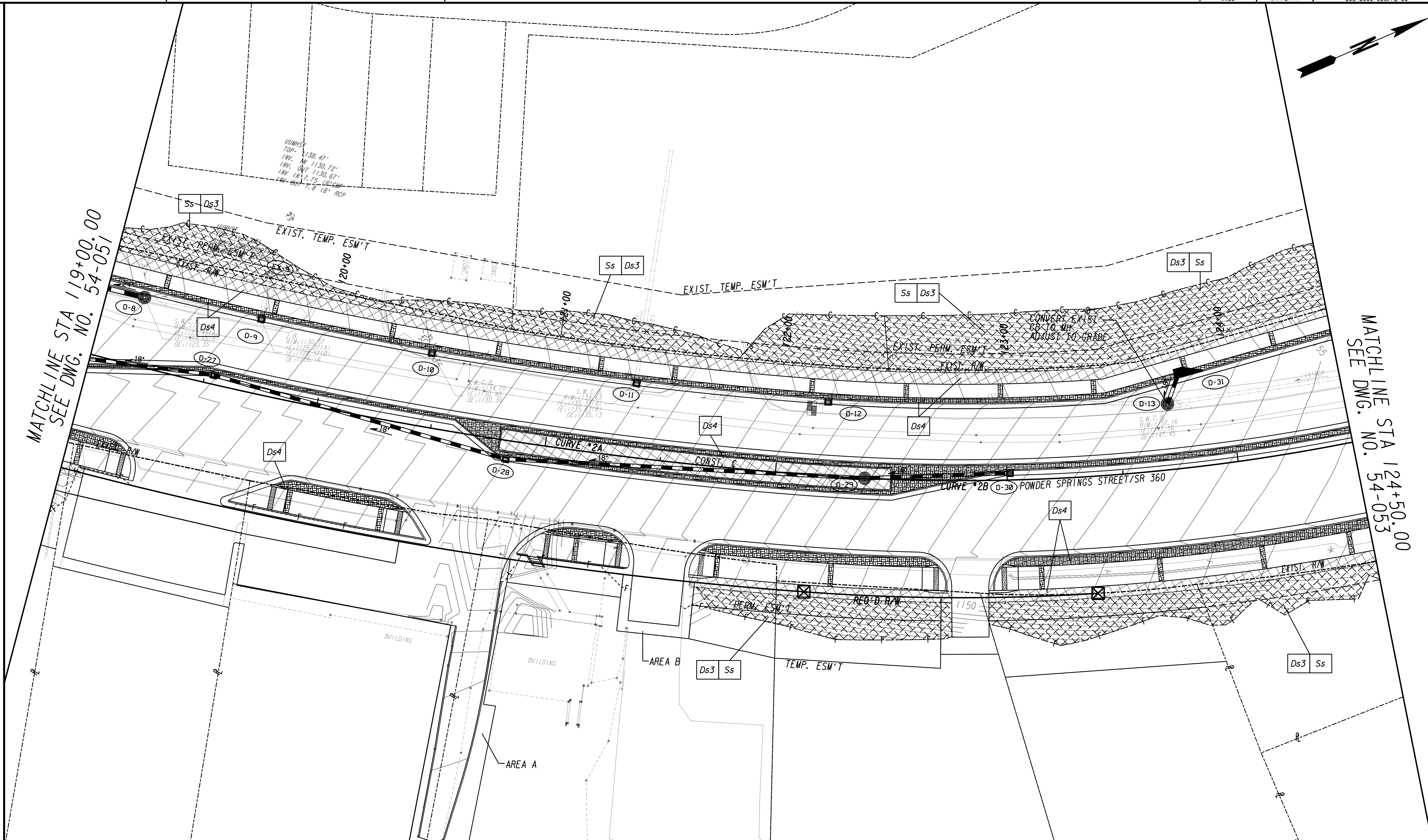
SCALE IN FEET

REVISION DATES

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

FINAL PHASE BMP LOCATION DETAILS

COUNTY	CITY	PROJECT NUMBER
COBB	MARIETTA	282-2033-535.72-33



PROPERTY AND EXISTING R/W LINE	BEGIN LIMIT OF ACCESS............BLA	
REQUIRED R/W LINE	END LIMIT OF ACCESS.............ELA	
CONSTRUCTION LIMITS	REQ'D LIMIT OF ACCESS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	REQ'D LIMIT OF ACCESS & R/W	
EASEMENT FOR CONSTR OF SLOPES	ORANGE BARRIER FENCE	
EASEMENT FOR CONSTR OF DRIVES	ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

FINAL PHASE BMP LOCATION DETAILS

POWDER SPRINGS STREET
IMPROVEMENTS

DRAWING No. 54-052

12/14/2012 GPLN

6/17/2021 10:22:10 AM	GPLOT-V8	64007_54-053.dgn	COUNTY	CITY	PROJECT NUMBER
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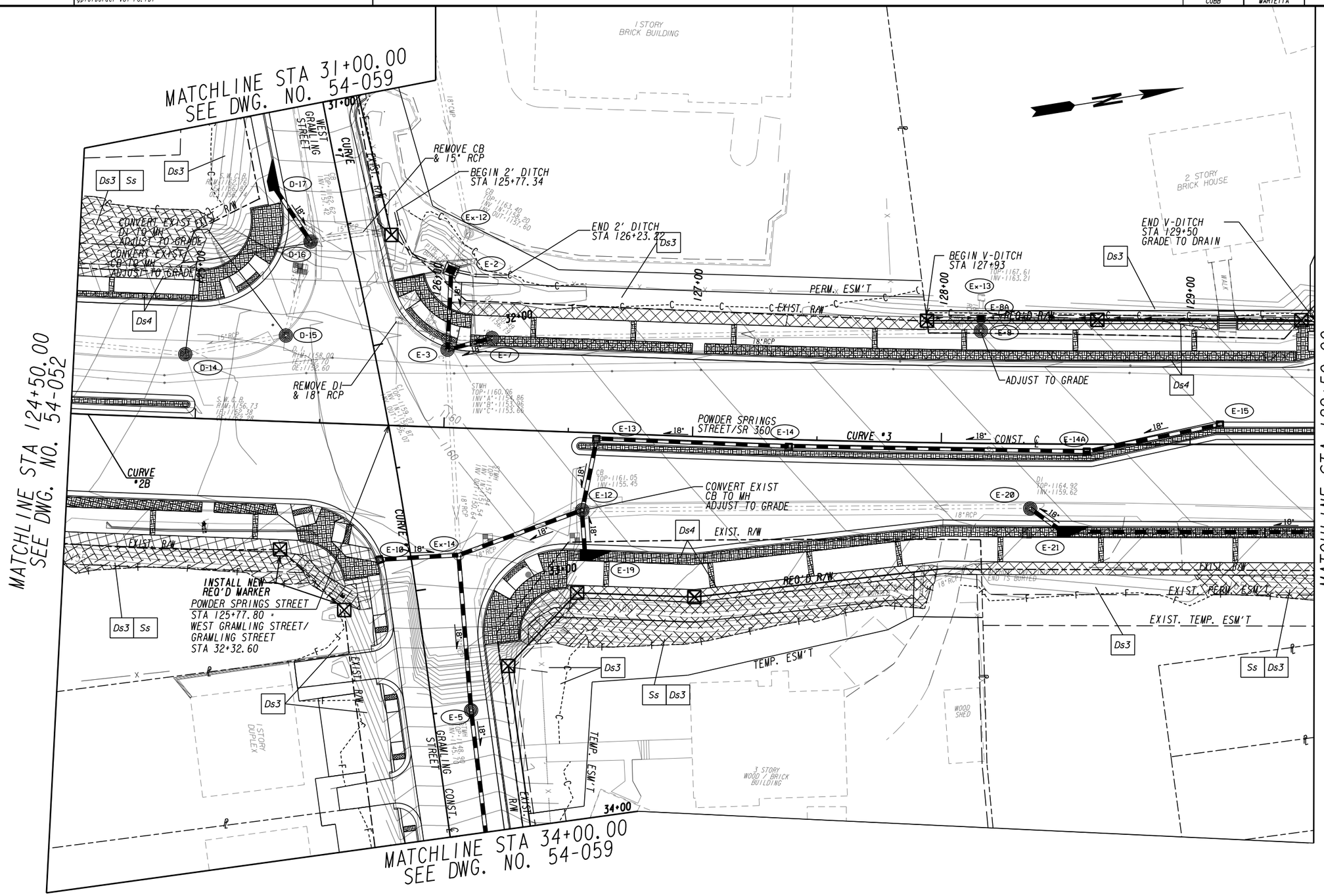

PROPERTY AND EXISTING R/W LINE	BEGIN LIMIT OF ACCESS.....BLA
REQUIRED R/W LINE	END LIMIT OF ACCESS.....ELA
CONSTRUCTION LIMITS	REQ'D LIMIT OF ACCESS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	REQ'D LIMIT OF ACCESS & R/W
EASEMENT FOR CONSTR OF SLOPES	ORANGE BARRIER FENCE
EASEMENT FOR CONSTR OF DRIVES	ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES		
06-18-2021		

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

FINAL PHASE BMP LOCATION DETAILS

POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 54-053

12/14/2012 GPLN

4/3/2021 8:14:28 AM	GPLOT-V8	64007_54-054.dgn	COUNTY	CITY	PROJECT NUMBER
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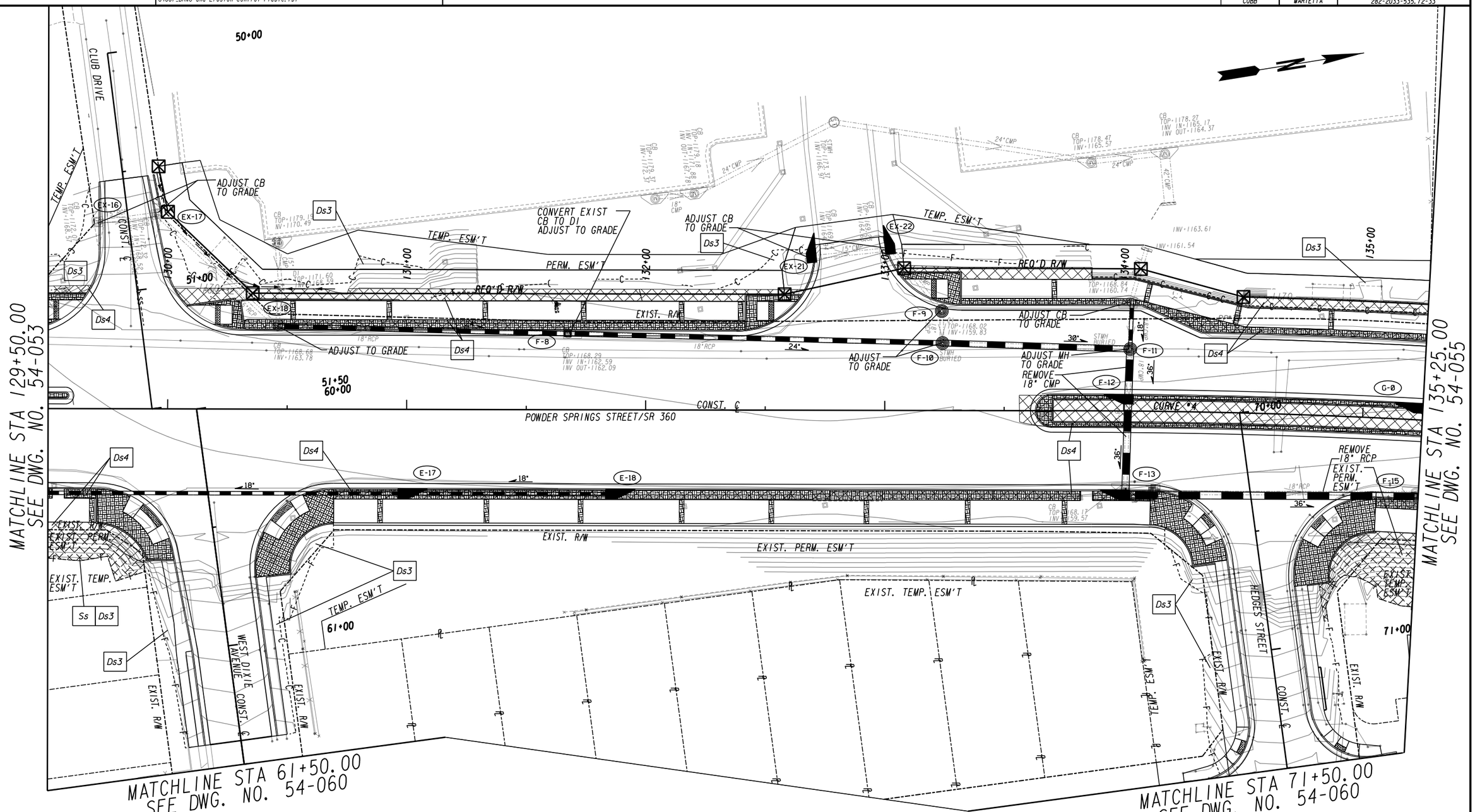

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
REQ'D LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

FINAL PHASE BMP LOCATION DETAILS

POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 54-054

12/14/2012 GPLN

COUNTY	CITY	PROJECT NUMBER
COBB	MARIETTA	282-2033-535.72-33

MATCHLINE STA 135+25.00
SEE DWG. NO. 54-054

BEGIN 2' DITCH
STA 135+98.00

AREA A

D/W ESMT

AREA B
D/W ESMT

END 2' DITCH
STA 139+31.58

LIMIT OF CONSTRUCTION
STA 90+38.50
GRIGGS STREET

CONST. ℄ GRIGGS STREET

91+00
CONVERT EXIST
CB TO MH
ADJUST TO GRADE

TEMP. ESM'T

136+00
137+00
138+00
139+00
140+00

EXIST. R/W

REQ'D R/W

CURVE A

POWDER SPRINGS STREET/SR 360

CONST. ℄

192+00

MATCHLINE STA 140+50.00
SEE DWG. NO. 54-056

EXIST. PERM. ESM'T

CONVERT EXIST
CB TO MH
ADJUST TO GRADE

EXIST. TEMP. ESM'T

RECONSTRUCT CB

CONVERT EXIST
CB TO MH
ADJUST TO GRADE

TEMP. ESM'T

LIMIT OF CONSTRUCTION
CEMETERY STREET TRAIL
TIE INTO EXIST. PAVEMENT

CEMETERY STREET TRAIL

POWDER SPRINGS STREET
STA 139+93.08
GRIGGS STREET
STA 92+00.00

CONVERT EXIST
CB TO MH
ADJUST TO GRADE

D/W ESMT

72+00

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
REQ'D LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES		
06-18-2021		

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

FINAL PHASE BMP LOCATION DETAILS

POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 54-055

12/14/2012 GPLN

MATCHLINE STA 140+50.00
SEE DWG. NO. 54-055

MATCHLINE STA 146+00.00
SEE DWG. NO. 54-057

APPROX. PROPERTY LINE

CONVERT EXIST CB TO MH ADJUST TO GRADE

RECESS BOX (TYP)

ADJUST BLIND JB TO GRADE

EXIST. R/W

REMOVE 15" RCP

CM 10"DIP

15"RCP

18"RCP

15"RCP(B)

D/W ESMT

PERM. ESM'T

REQ'D R/W

BUILDING

BLIND JB PB 275 PG 679

S.W.C.B. RIM:1148.39 IE:1143.79(A) IE:1143.56(B)

D.I. RIM:1148.11 OE:1144.71

CONVERT EXIST CB TO MH ADJUST TO GRADE

TEMP. ESM'T

Ds3 Ds4 G-9 G-10 G-11 G-13 G-14 G-15 H-1 H-2 H-3

PROPERTY AND EXISTING R/W LINE	BEGIN LIMIT OF ACCESS.....BLA
REQUIRED R/W LINE	END LIMIT OF ACCESS.....ELA
CONSTRUCTION LIMITS	REQ'D LIMIT OF ACCESS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	REQ'D LIMIT OF ACCESS & R/W
EASEMENT FOR CONSTR OF SLOPES	ORANGE BARRIER FENCE
EASEMENT FOR CONSTR OF DRIVES	ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

FINAL PHASE BMP LOCATION DETAILS

POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 54-056

12/14/2012 GPLN

6/17/2021 10:25:41 AM	GPLOT-V8	64007_54-057.dgn	COUNTY	CITY	PROJECT NUMBER
MRMoss	gplotborder-v81-P0.tbl		COBB	MARIETTA	282-2033-535.72-33

MATCHLINE STA 146+00.00
SEE DWG. NO. 54-056

MATCHLINE STA 212+00.00
SEE INSET

MATCHLINE STA 151+50.00
SEE DWG. NO. 54-058

BUILDING

146+00

147+00

148+00

149+00

TEMP. ESM'T

PERM. ESM'T

REQ'D R/W

EXIST. R/W

FLUSH RIGHT OF WAY MARKER

D.I. RIM:1133.20 IE:XXX.XX OE:XXX.XX

Ds3

Ds4

18"RCP

S.W.C.B. RIM:1131.97 IE:1128.47

S.W.C.B. RIM:1126.33 IE:1122.83 OE:1122.53

S.W.C.B. RIM:1121.92 OE:1116.32

H-4

H-5

H-6

H-7

H-10

H-11

CONVERT EXIST CB TO MH ADJUST TO GRADE

POWDER SPRINGS STREET/SR 360

CURVE #5A

CONST. ℄

POWDER SPRINGS STREET
STA 150+60.57 *
REYNOLDS STREET
STA 213+20.00

BEGIN MILL/INLAY STA 150+50

S.W.C.B. RIM:1113.64 IE:1113.34 OE:1113.24

212+00

213+00

CONST. ℄ REYNOLDS STREET

EXIST. R/W

H-12

H-13

H-8

24"RCP(B)

END CONSTRUCTION
POWDER SPRINGS STREET
STA 151+43.00

CURVE #5B

311+00

312+00

J-1

J-2

J-3

J-4

J-OUT

POWDER SPRINGS STREET
STA 150+62.53*
SOUTH MARIETTA PKWY
STA 310+00.00

GOSS STREET

SOUTH MARIETTA PKWY/SR 120

CONST. ℄

BEGIN GRAVITY WALL #10
GDOT STD 9031L
STA 149+30

BEGIN I' DITCH
STA 149+30

END GRAVITY WALL #10
S. MARIETTA PKWY
STA 311+30.00

END I' DITCH
S. MARIETTA PKWY
STA 311+30

LIMIT OF CONSTRUCTION
SOUTH MARIETTA PKWY/
SR 120
STA 312+10.00

EXISTING CB
RECONSTRUCT TO GRADE

MATCHLINE STA 212+00.00
INSET

210+00

211+00

LIMIT OF CONSTRUCTION
REYNOLDS STREET
STA 210+90.00

REYNOLDS STREET

REMOVE FENCE

TEMP. ESM'T
AREA 2

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
REQ'D LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES		
06-18-2021		

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

FINAL PHASE BMP LOCATION DETAILS

POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 54-057

12/14/2012 GPLN

4/3/2021 8:16:01 AM	GPLOT-V8	64007_54-058.dgn	COUNTY	CITY	PROJECT NUMBER
nbmorel	64007_DRNG and Erosion Control PTable.tbl		COBB	MARIETTA	282-2033-535.72-33

MATCHLINE STA 151+50.00
SEE DWG. NO. 54-057

END PROJECT
POWDER SPRINGS
STREET/SR 360
STA=152+00.00

CURVE #5B

CONST. ℄ POWDER SPRINGS STREET/SR 360

EXIST. R/W

ASPHALT DRIVE

CONCRETE APRON

CONCRETE APRON

72" BOX CULVERT
(APPROXIMATE LOCATION)

72" BOX CULVERT
(APPROXIMATE LOCATION)

152+00

153+00

154+00

155+00

155+04

EX-30

D.I.
RIM:1116.10
IE:1106.25
OE:1106.12

24"CMP(A)

24"RCP(A)

D.I.
RIM:1114.51
OE:1106.86(A)
OE:1106.96(B)

24"RCP(B)

12"VCP

D.I.
RIM:1108.96
IE:1106.81
OE:1106.61

S.W.C.B.
RIM:1109.04
IE:1105.38
OE:1105.28

15"RCP(B)

5"RCP(B)

24"RCP(A)

24"RCP(C)*

D.W.C.B.
RIM:1108.18
IE:1104.18(A)
IE:1103.88(B)
IE:1103.58(C)
OE:1098.43

I.B.
RIM:1108.59
IE:1104.09(A)
IE:1103.49(B)
OE:1103.39

S.W.C.B.
RIM:1112.19
IE:1105.89(A)
IE:1105.19(B)
IE:1105.89(C)
OE:1105.79

D.W.C.B.
RIM:1108.45
IE:1103.55
OE:1103.45

18"RCP(C)
TO BLIND J.B.)

18"RCP(A)

36"RCP

36"RCP
F/L:1106.81

D.I.
RIM:1112.24
(INACCESSTBLE)

OUTLET CONTROL STRUCTURE
TOP OF SPILLWAY: 1097.25

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
REQ'D LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

FINAL PHASE BMP LOCATION DETAILS

POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 54-058

12/14/2012 GPLN

4/3/2021 8:16:34 AM	GPLOT-V8	64007_54-059.dgn	COUNTY	CITY	PROJECT NUMBER
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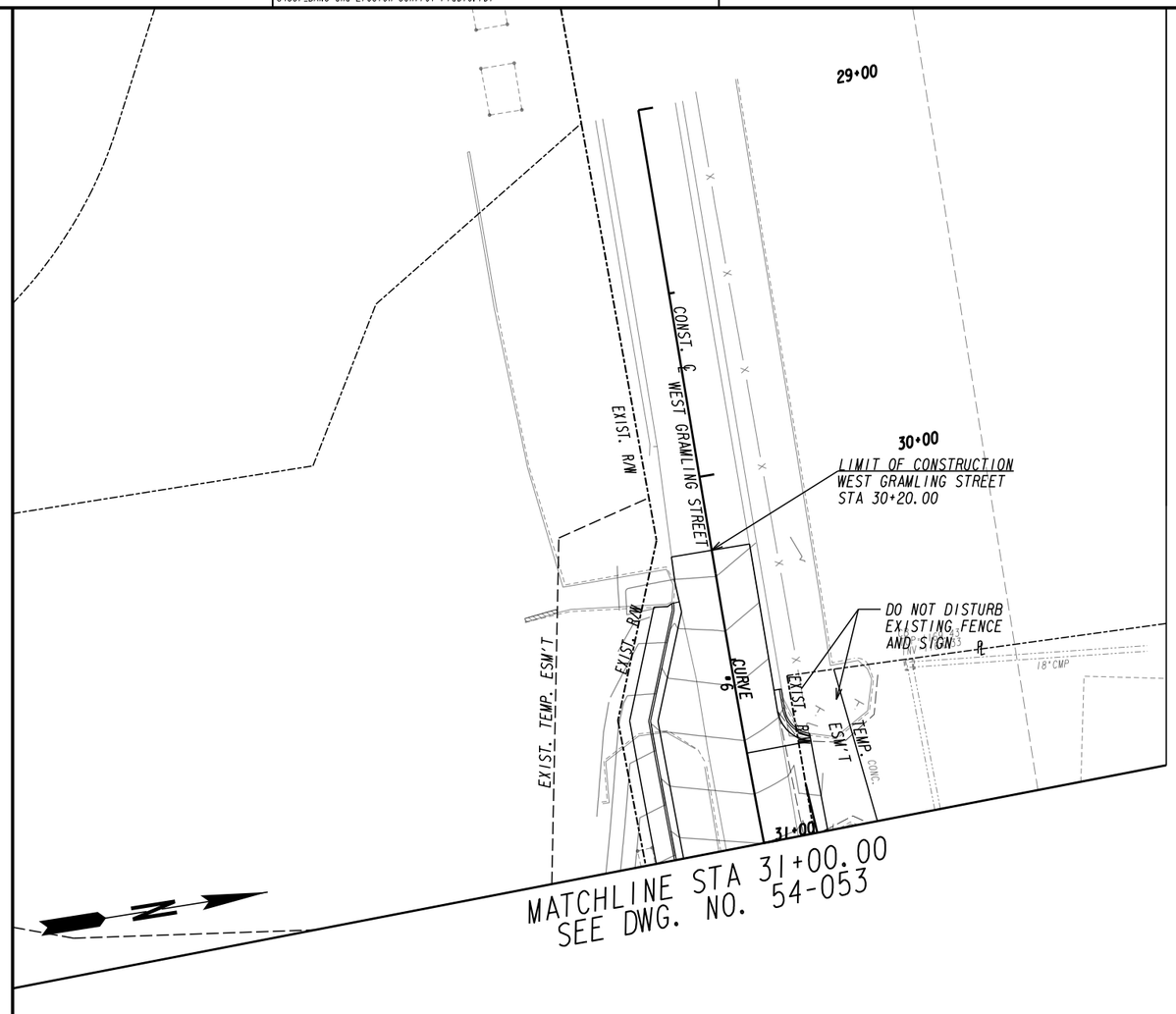

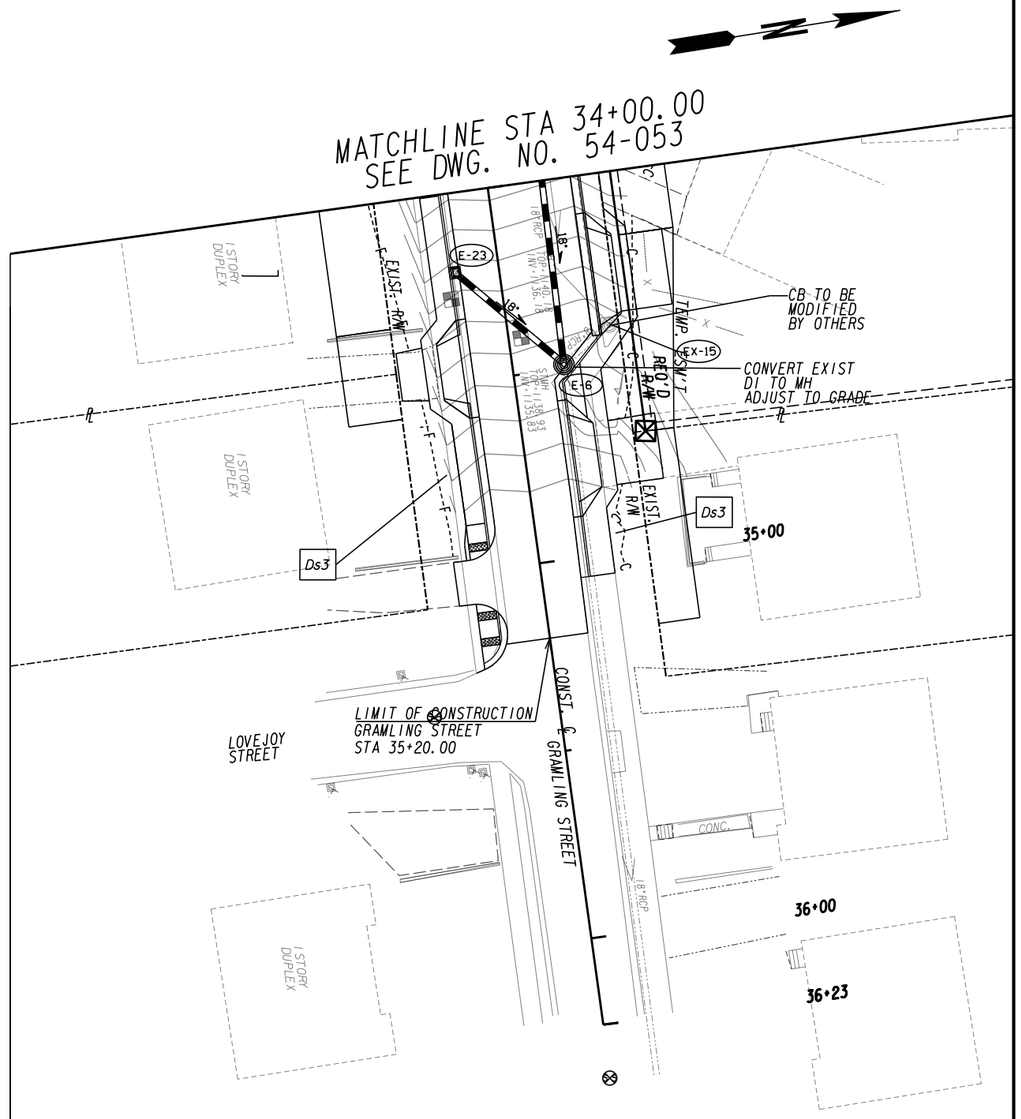

PROPERTY AND EXISTING R/W LINE	------℄------
REQUIRED R/W LINE	⊠
CONSTRUCTION LIMITS	--C--F--
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA	
END LIMIT OF ACCESS.....ELA	
REQ'D LIMIT OF ACCESS	ooo ooo
REQ'D LIMIT OF ACCESS & R/W	||| |||
ORANGE BARRIER FENCE	● ●
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	▼

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET

0 200 400 800

REVISION DATES

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

FINAL PHASE BMP LOCATION DETAILS

POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 54-059

12/14/2012 GPLN

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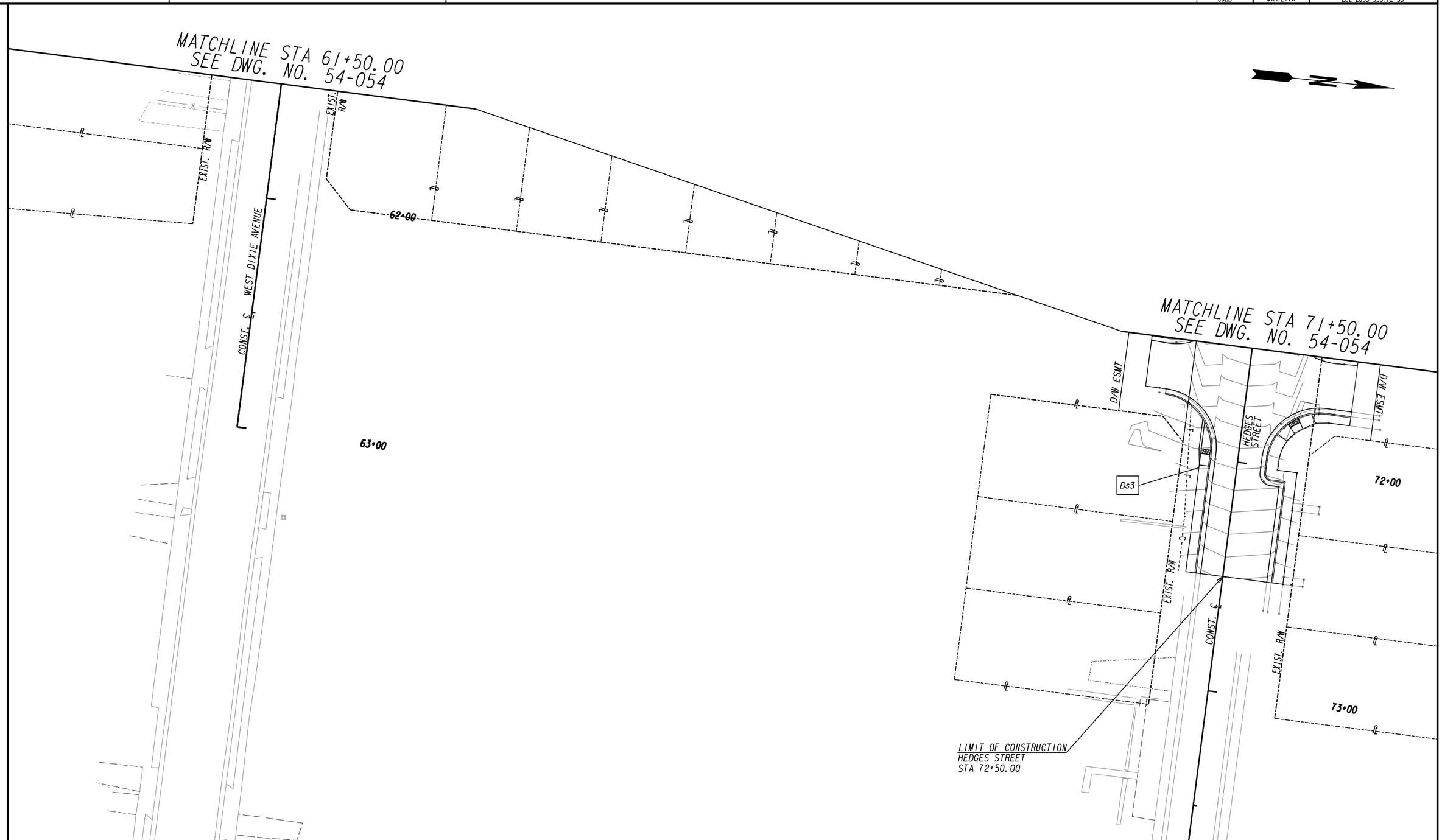


PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
REQ'D LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

ARCADIS Design & Consultancy for natural and built assets

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

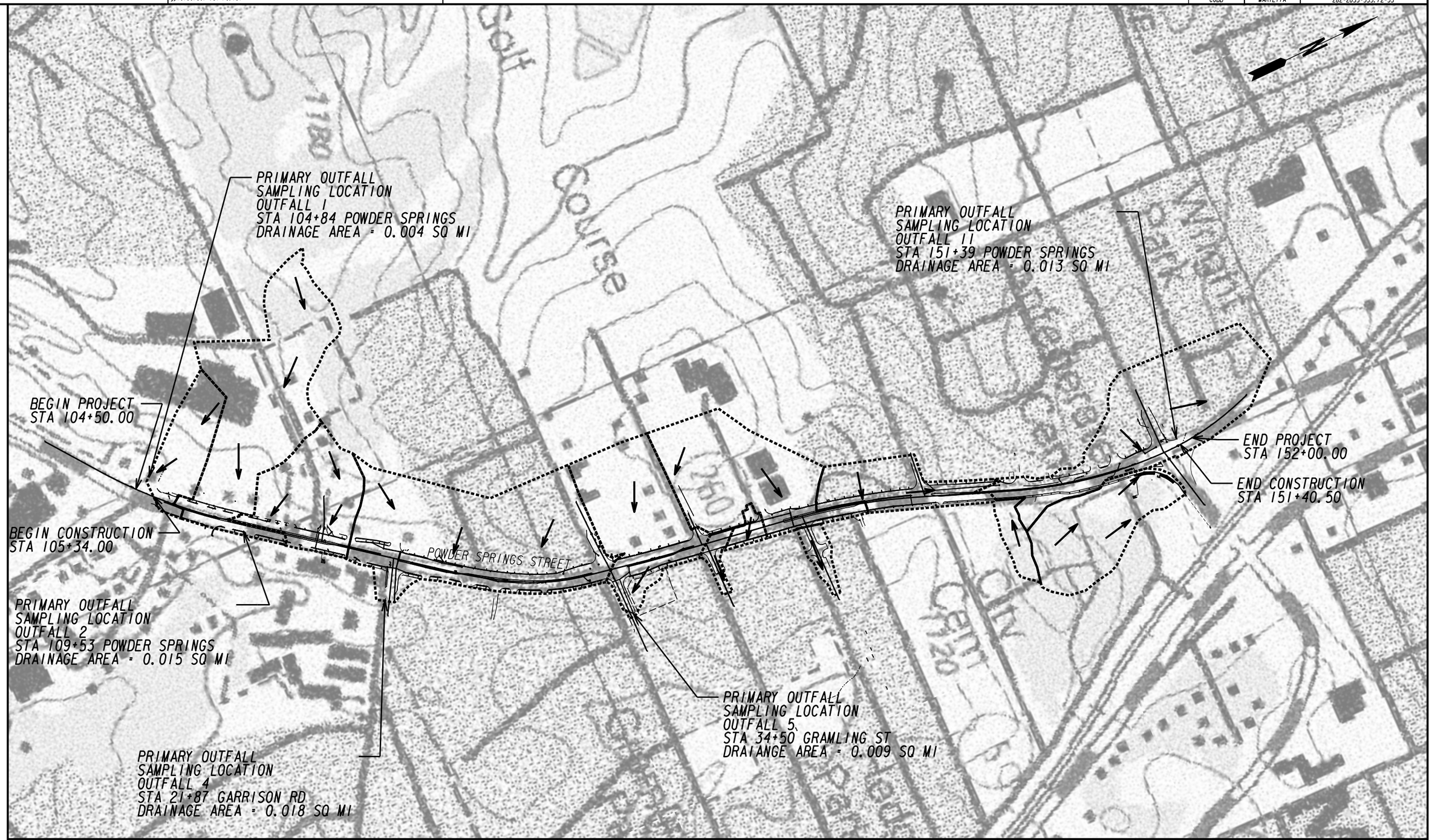
FINAL PHASE BMP LOCATION DETAILS

POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 54-060

12/14/2012 GPLN

3/23/2021 12:15:38 PM nbmorel	GPLOT-V8 gplotborder-V81-P0.tbl	64007_55-001.dgn	COUNTY	CITY	PROJECT NUMBER
			COBB	MARIETTA	282-2033-535.72-33



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
REQ'D LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

ESA - See General Notes 'Environmental Resources Impact Table' for construction restrictions

SCALE IN FEET
0 200 400 800

REVISION DATES

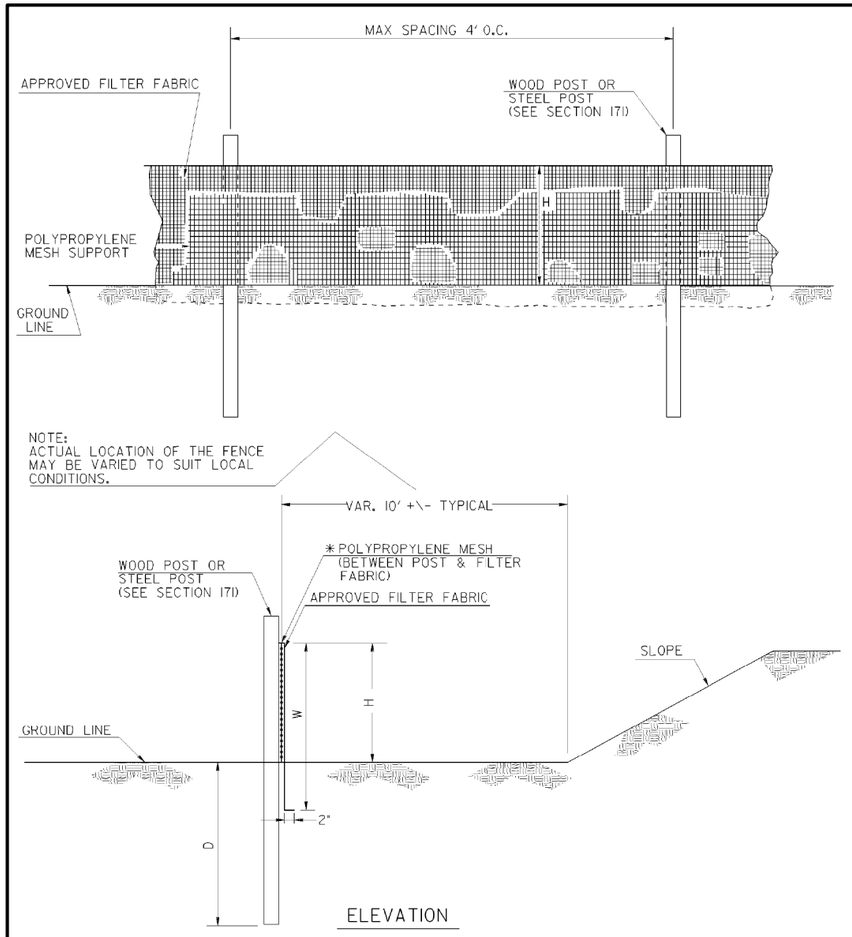
CITY OF MARIETTA
DEPARTMENT OF PUBLIC WORKS

WATERSHED MAP
SITE MONITORING PLAN

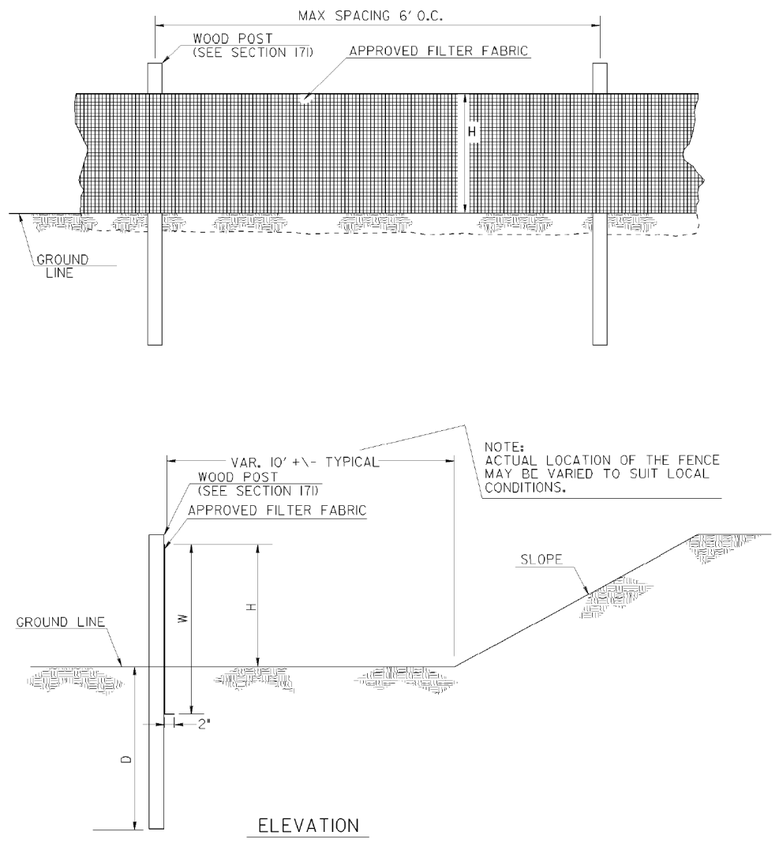
POWDER SPRINGS STREET IMPROVEMENTS

DRAWING No. 55-001

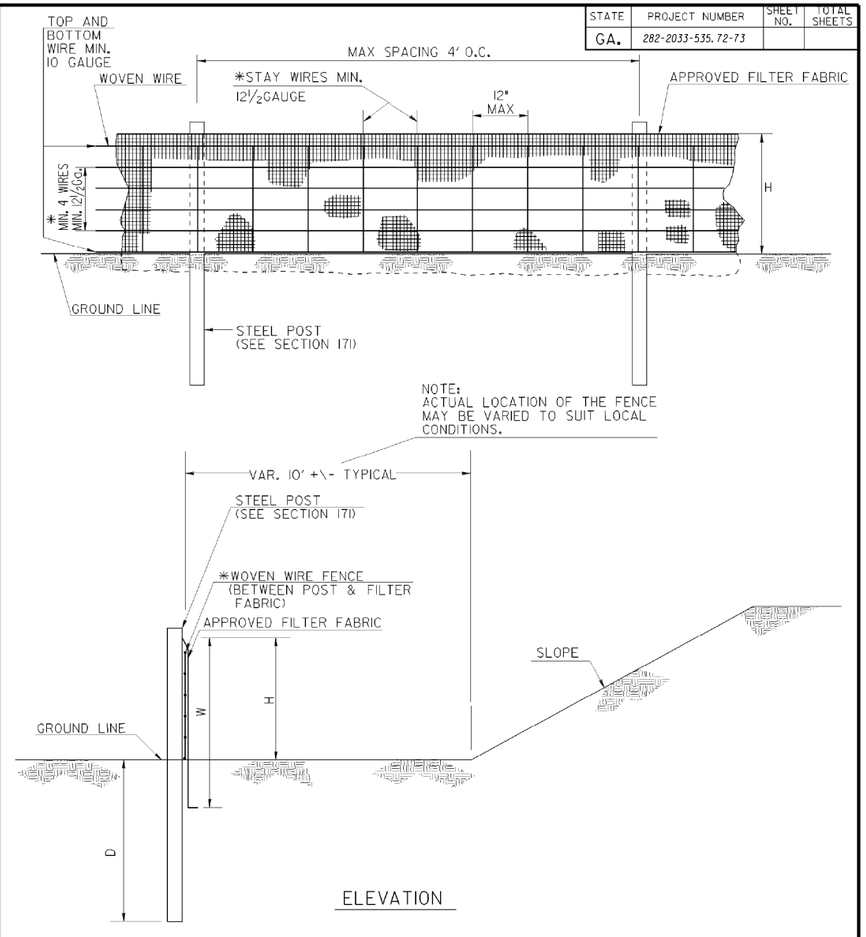
12/14/2012 GPLN



SINGLE ROW TYPE C SILT FENCE WITH POLYPROPYLENE MESH SUPPORT



SINGLE ROW TYPE A SILT FENCE



SINGLE ROW TYPE C SILT FENCE WITH WOVEN WIRE SUPPORT

FENCE TYPE	POST LENGTH	H	D	W	TYPICAL USES
TYPE "A"	4 FT.	2'-4"	1'-6"	3'-0"	AT BRIDGE END ROLLS, DOUBLE ROW ALONG STREAMS, WETLANDS AND ENVIRONMENTALLY SENSITIVE AREAS FOR USE OF THIS MATERIAL IN FABRIC CHECKDAMS SEE D-24D.
TYPE "C"	4 FT.	2'-4"	1'-6"	3'-0"	

NOTES:

1. WIRE STAPLES SHALL BE AT LEAST 17 GAUGE, WITH LEGS AT LEAST 1/2 INCHES LONG AND A CROWN AT LEAST 3/4INCHES WIDE. NAILS SHALL BE AT LEAST 14 GAUGE, 1INCH LONG , WITH BUTTON HEADS AT LEAST 3/4 INCHES WIDE.
2. NAILS OR STAPLES SHALL BE EVENLY PLACED WITH AT LEAST 5 PER POST FOR TYPE A FENCE AND 4 PER POST FOR TYPE C FENCE.
3. THE VERTICAL WIRES FOR THE WOVEN WIRE SUPPORT FENCE SHALL HAVE A MAXIMUM SPACING OF 12 INCHES. THE TOP AND BOTTOM WIRES SHALL BE AT LEAST 10 GAUGE AND ALL OTHER WIRES SHALL BE AT LEAST 12½ GAUGE.
4. TEMPORARY SILT FENCE INSTALLATION IS DIFFERENT THAN THE SILT RETENTION BARRIER INSTALLATION.
5. SEE SECTION 171 FOR SILT FENCE SPECIFICATIONS.
6. SEE SECTION 894 FOR FENCING SPECIFICATIONS.
7. SEE QPL-36 FOR A LIST APPROVED SILT FENCE FABRIC.
8. TEMPORARY SILT FENCE SHALL NOT BE PLACED WITHIN STATE WATERS UNLESS PERMITTED.

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	282-2033-535, 72-73		

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS

TEMPORARY SILT FENCE

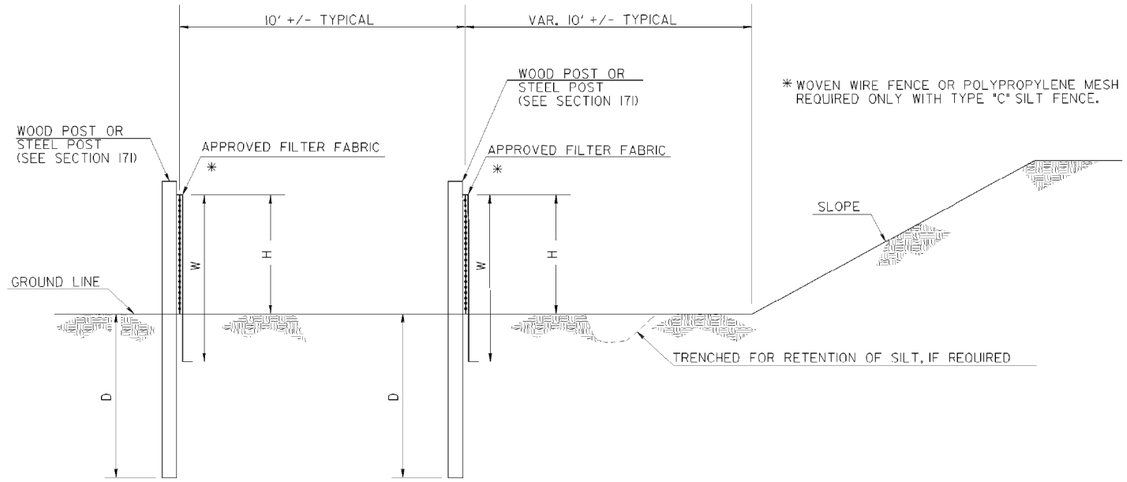
NO SCALE — REV. AND REDRAWN JAN. 2011

DATE | REVISION | BY

56-0001

NUMBER D-24A (SHEET 1 OF 4)

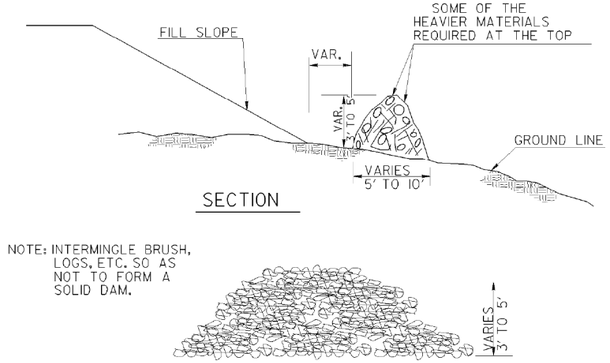
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
	282-2033-535, 72-73		



ELEVATION

DOUBLE ROW SILT FENCE

FENCE TYPE	POST LENGTH	H	D	W	TYPICAL USES
TYPE "A"	4 FT.	2'-4"	1'-6"	3'-0"	
TYPE "C"	4 FT.	2'-4"	1'-6"	3'-0"	AT BRIDGE END ROLLS, DOUBLE ROW ALONG STREAMS, WETLANDS AND ENVIRONMENTALLY SENSITIVE AREAS FOR USE OF THIS MATERIAL IN FABRIC CHECKDAMS SEE D-24D.



SECTION

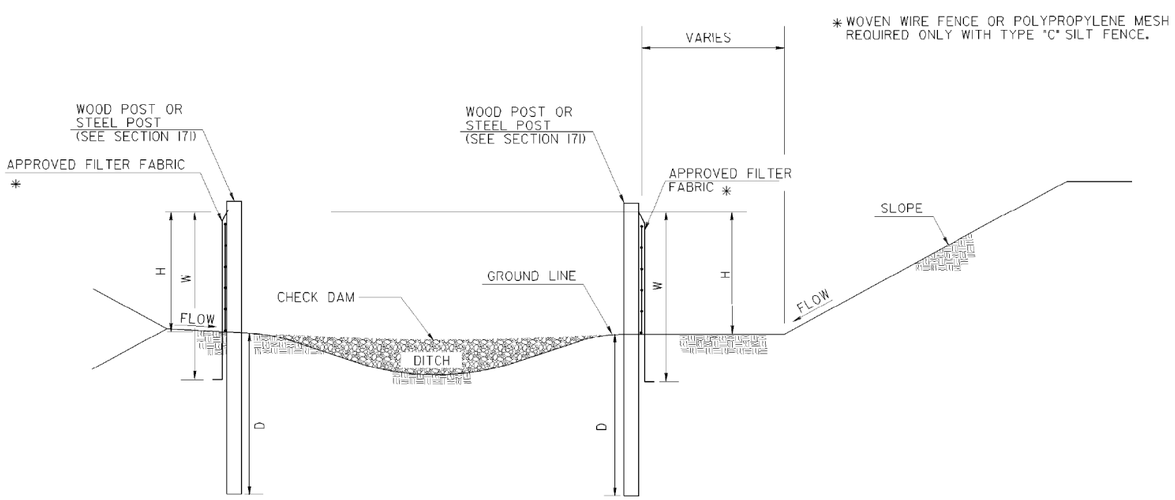
NOTE: INTERMINGLE BRUSH, LOGS, ETC. SO AS NOT TO FORM A SOLID DAM.

FRONT VIEW

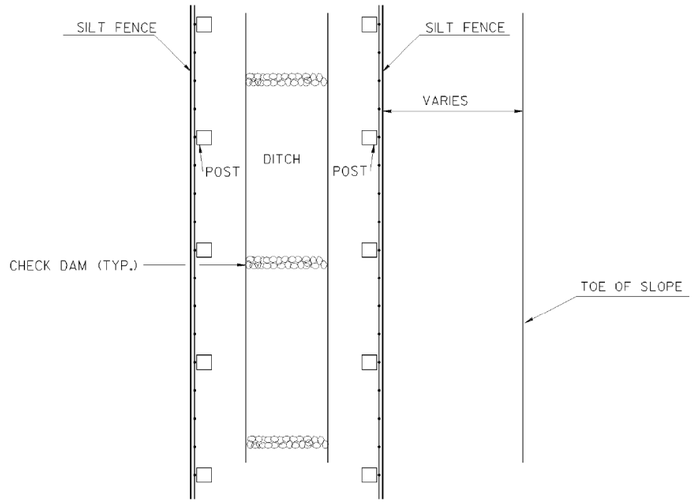
NOTE: BRUSH BARRIER(S) WILL BE INCLUDED IN PAYMENT FOR CLEARING & GRUBBING.

BRUSH BARRIER DETAILS

(FOR USE IN RURAL AREAS)



ELEVATION



PLAN

FENCE TYPE	POST LENGTH	H	D	W	TYPICAL USES
TYPE "A"	4 FT.	2'-4"	1'-6"	3'-0"	
TYPE "C"	4 FT.	2'-4"	1'-6"	3'-0"	AT BRIDGE END ROLLS, DOUBLE ROW ALONG STREAMS, WETLANDS AND ENVIRONMENTALLY SENSITIVE AREAS FOR USE OF THIS MATERIAL IN FABRIC CHECKDAMS SEE D-24D.

SILT FENCE
PERIMETER INSTALLATION ALONG DITCH SECTION

NOTE: TEMPORARY SILT FENCE SHALL NOT BE PLACED WITHIN STATE WATERS.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS

TEMPORARY SILT FENCE

BERM DITCH, INSTALLATION, BRUSH BARRIER

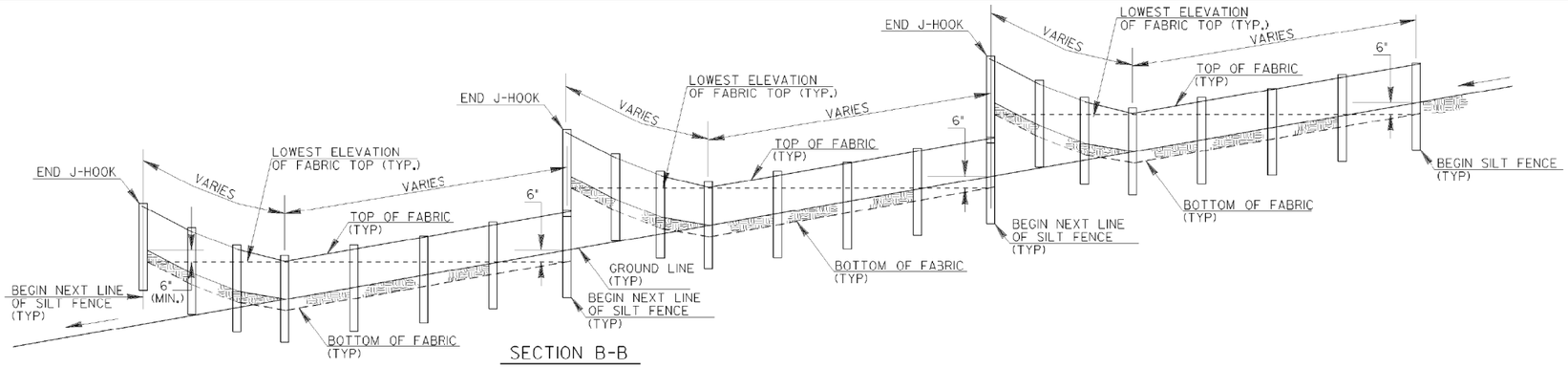
NO SCALE — REV. AND REDRAWN JAN. 2011

DATE | REVISION | BY

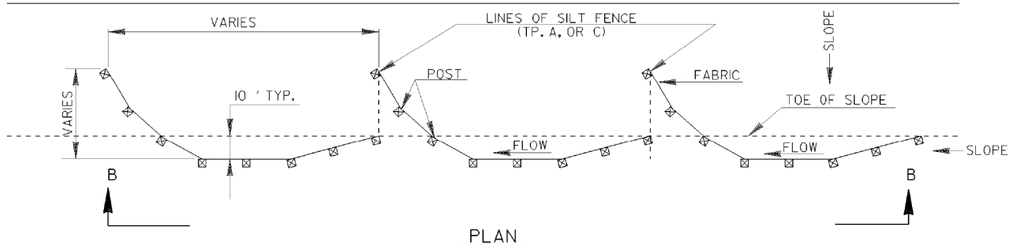
56-0002

NUMBER D-24B (SHEET 2 OF 4)

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	282-2033-535.72-73		



SECTION B-B



PLAN

SINGLE ROW SILT FENCE

PLAN

DOUBLE ROW SILT FENCE

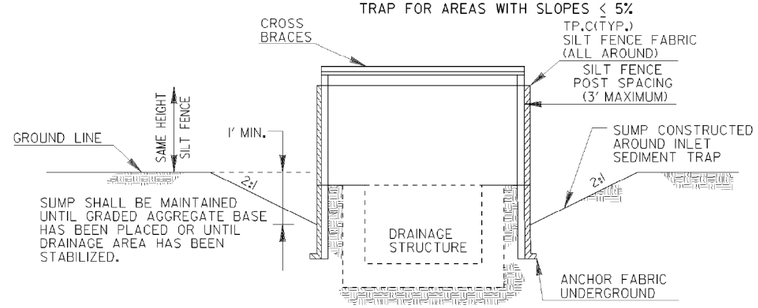
TYPICAL J HOOK SPACING		
SLOPE PERCENT	TYPE OF SILT FENCE	MINIMUM SPACING (FEET)
1% TO 2%	TYPE A	100' ±
2% TO 3%	TYPE A	50' ±
3% TO 4%	TYPE C	50' ±
4% TO 5%	TYPE C	25' ±

NOTE:

1. IF THE GRADE IS BETWEEN 0 TO 1 PERCENT, THE SILT FENCE SHALL BE PLACED ACROSS THE DITCH.
2. TEMPORARY SILT FENCE SHALL NOT BE PLACED WITHIN STATE WATERS.

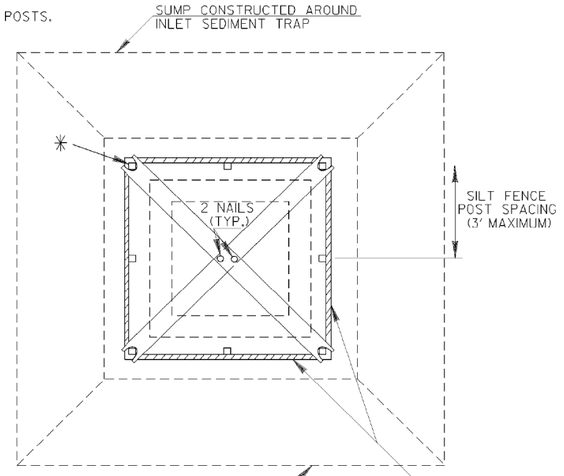
TYPICAL LOCATION AROUND DROP INLETS

ALT. TO PREFABRICATED INLET SEDIMENT TRAP FOR AREAS WITH SLOPES ≤ 5%



ELEVATION

✳ CROSS BRACING REQUIRED WHEN USING "ALTERNATE" TYPE C PRODUCTS WHICH USE WOOD POSTS.



PLAN

CROSS BRACES:

TWO - 2 X 4's WITH ENDS TO FIT POST, PROVIDING STURDY SUPPORT, OR AN APPROVED ALTERNATE

NOTE:
PAYMENT AS INLET SEDIMENT TRAP PER EACH.

NOTE:
SEE SEPARATE SHEET ENTITLED "TEMPORARY SILT FENCE DETAILS" FOR SILT FENCE ERECTION DETAILS.

INLET SEDIMENT TRAP - FOR DROP INLETS

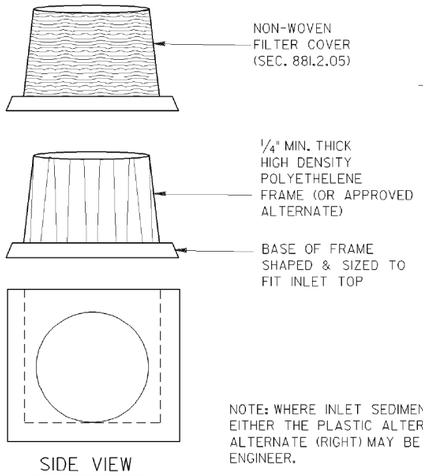
NOTE:
THE DRAINAGE AREA ENTERING THE INLET SEDIMENT TRAP SHALL BE NO GREATER THAN ONE ACRE.

TYPICAL CONSTRUCTION SEQUENCE FOR INLET SEDIMENT TRAP ALTERNATE

1. EXCAVATE APPROXIMATELY 4" TO 6" BELOW THE TOP OF THE INLET STRUCTURE.
2. PLACE THE FRAME ONTO THE INLET STRUCTURE, ENSURING PROPER SEATING OF FRAME TO STRUCTURE.
3. SLIDE THE FILTER OVER THE FRAME.
4. FILL THE FILTER POCKETS WITH SOIL, #57 GRAVEL OR EQUIVALENT. THE FILTER POCKETS SHOULD BE COMPLETELY FILLED TO ENSURE A GOOD SEAL BETWEEN THE GROUND AND INLET STRUCTURE.
5. BACK FILL AROUND THE FRAME AND FILTER ASSEMBLY IS NOT REQUIRED TO COMPLETE INSTALLATION; HOWEVER, BACK FILLING MAY BE NECESSARY TO COMPLETE EXCAVATION REQUIREMENTS FOR THE SITE.

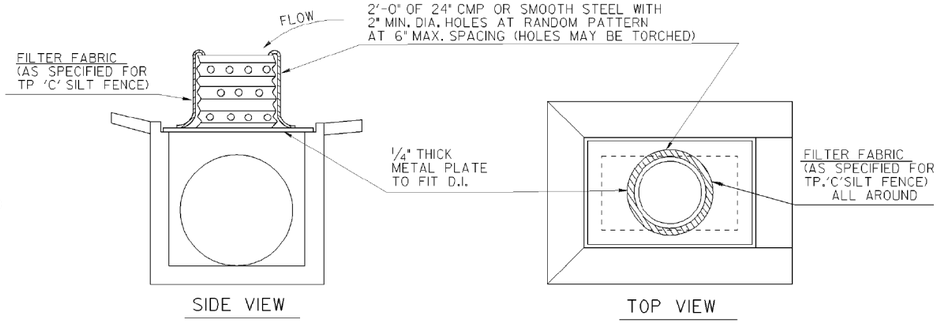
NOTE:
INLET SEDIMENT TRAP ALTERNATE SHALL BE AS APPROVED BY THE GA. D.O.T. OFFICE OF MATERIALS & RESEARCH. DETAILS & SPECIFICATIONS NOT SHOWN ARE PER THE MANUFACTURER'S REQUIREMENTS.

(PLASTIC ALTERNATE)



SIDE VIEW

(METAL ALTERNATE)



SIDE VIEW

TOP VIEW

NOTE: WHERE INLET SEDIMENT TRAPS ARE SPECIFIED, EITHER THE PLASTIC ALTERNATE (LEFT) OR THE METAL ALTERNATE (RIGHT) MAY BE USED AS APPROVED BY THE ENGINEER.

NOTE:
INLET SEDIMENT TRAP AND INLET TO BE BUILT CONTINUOUS WITH PIPE

NOTE:
PAYMENT AS INLET SEDIMENT TRAP PER EACH

NOTE: SEE SEPARATE DETAILS FOR SILT FENCE AROUND DROP INLETS.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

DATE | REVISION | BY

CONSTRUCTION DETAILS

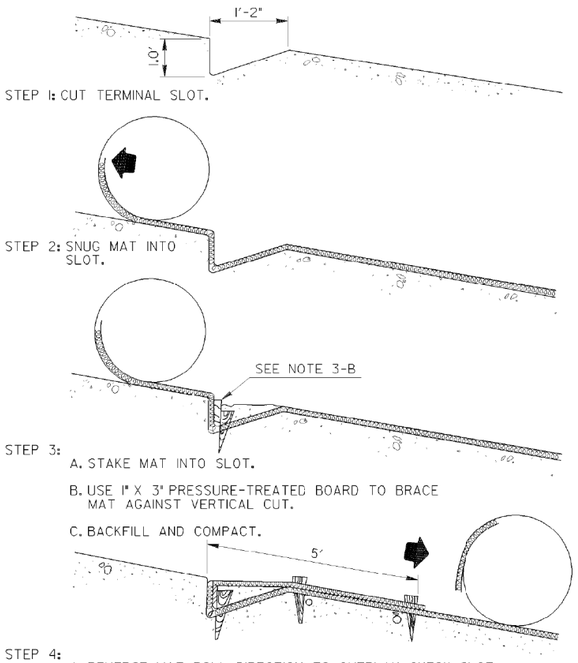
TEMPORARY SILT FENCE
J-HOOK, INLET SEDIMENT TRAPS

NO SCALE — JANUARY 2011

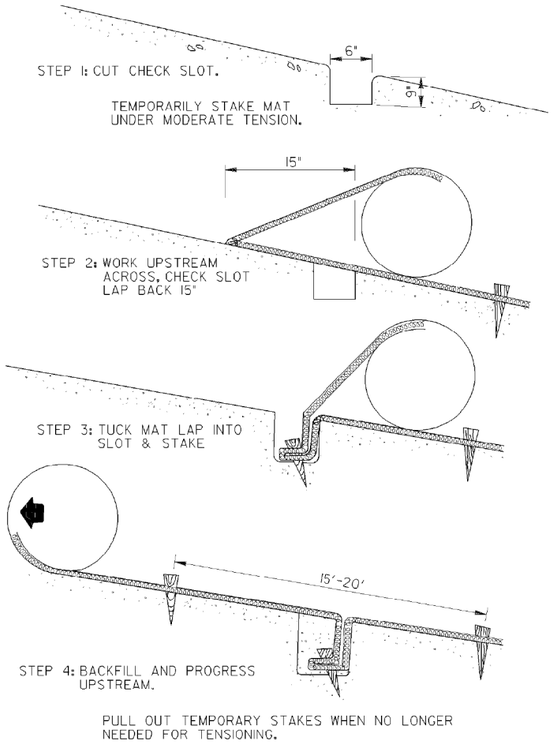
56-0003

NUMBER D-24C (SHEET 3 OF 4)

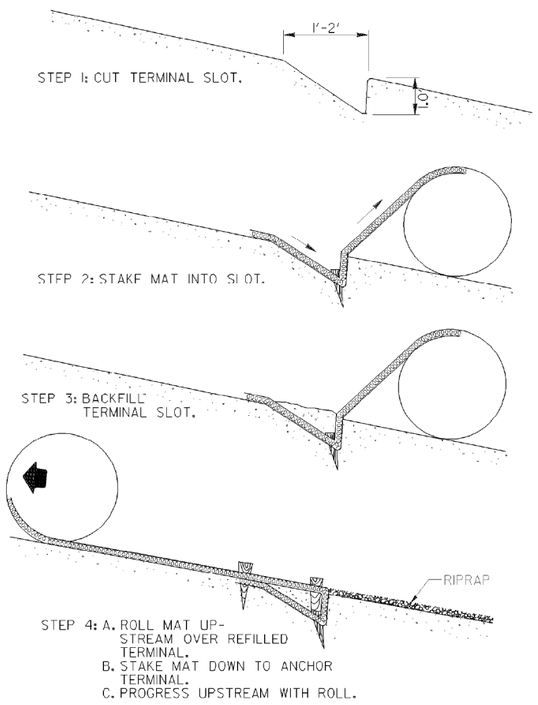
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	282-2033-535.72-73		



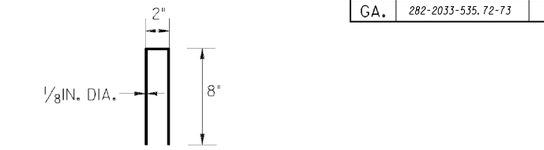
UPSTREAM TERMINAL



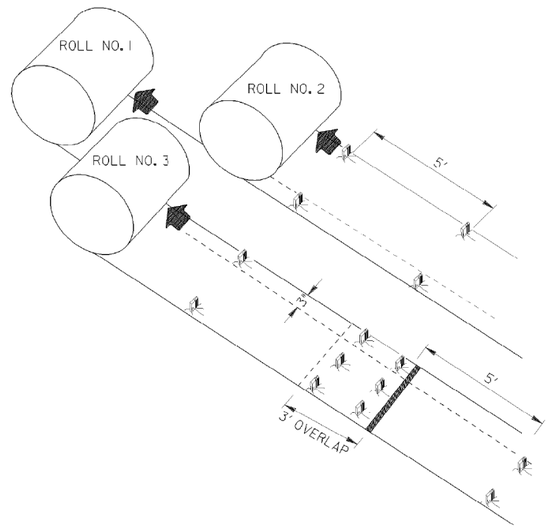
TRANSVERSE CHECK SLOT



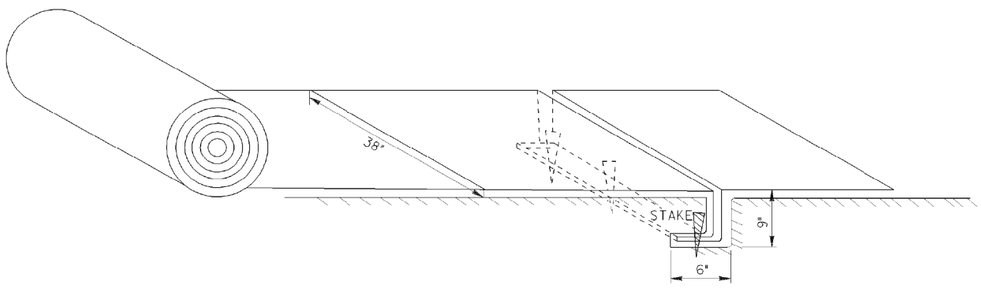
DOWNSTREAM TERMINAL



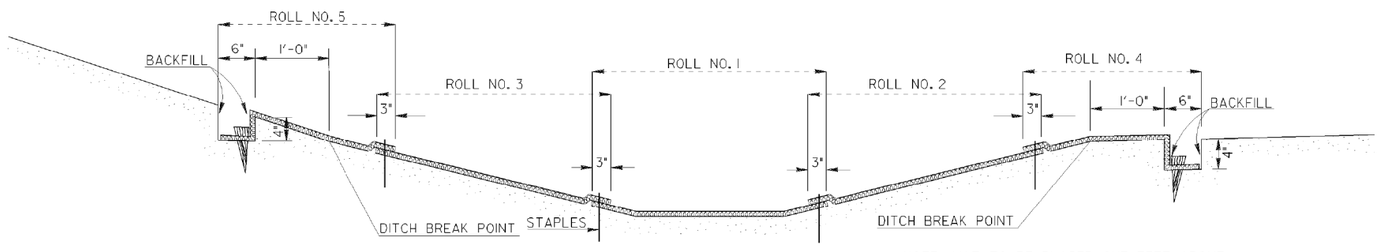
METAL MATTING - BLANKET STAPLE



SEQUENTIAL ROLL RUN OUT IN CHANNELS



PICTORAL VIEW OF TRANSVERSE SLOT



DITCH SECTION

NOTE: MAT TO BE PLACED ONE FEET ABOVE DITCH BREAK POINT OR ONE FOOT ABOVE THE 25 YEAR STORM.

GENERAL NOTES

1. INSTALLATION TO BE DONE AS PER MANUFACTURER'S RECOMMENDATIONS.
2. START AT DOWNSTREAM TERMINAL AND PROGRESS UPSTREAM.
3. FIRST ROLL IS CENTERED LONGITUDINALLY IN MID CHANNEL AND PINNED WITH TEMPORARY STAKES TO MAINTAIN ALIGNMENT.
4. SUBSEQUENT ROLLS FOLLOW IN STAGGERED SEQUENCE BEHIND FIRST ROLL. USE CENTER ROLL FOR ALIGNMENT TO CHANNEL CENTER.
5. WORK OUTWARDS FROM CHANNEL CENTER TO EDGE.
6. USE 3" OVERLAP AND STAKE AT 5' INTERVAL ALONG SEAMS.
7. USE 3' OVERLAPS AND SHINGLE DOWNSTREAM TO CONNECT LINING AT ROLL ENDS.
8. METAL STAPLES MAY BE USED IN LIEU OF WOODEN STAKES.

BY	REVISION	DATE
T.P.C.	REVISED SHEET LAYOUT & ADDED DITCH SECTION. ADDED METAL STAPLE.	1-19-11

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS
PERMANENT SOIL REINFORCING MAT
(TURF REINFORCING MATS)
INSTALLATION ON DITCHES

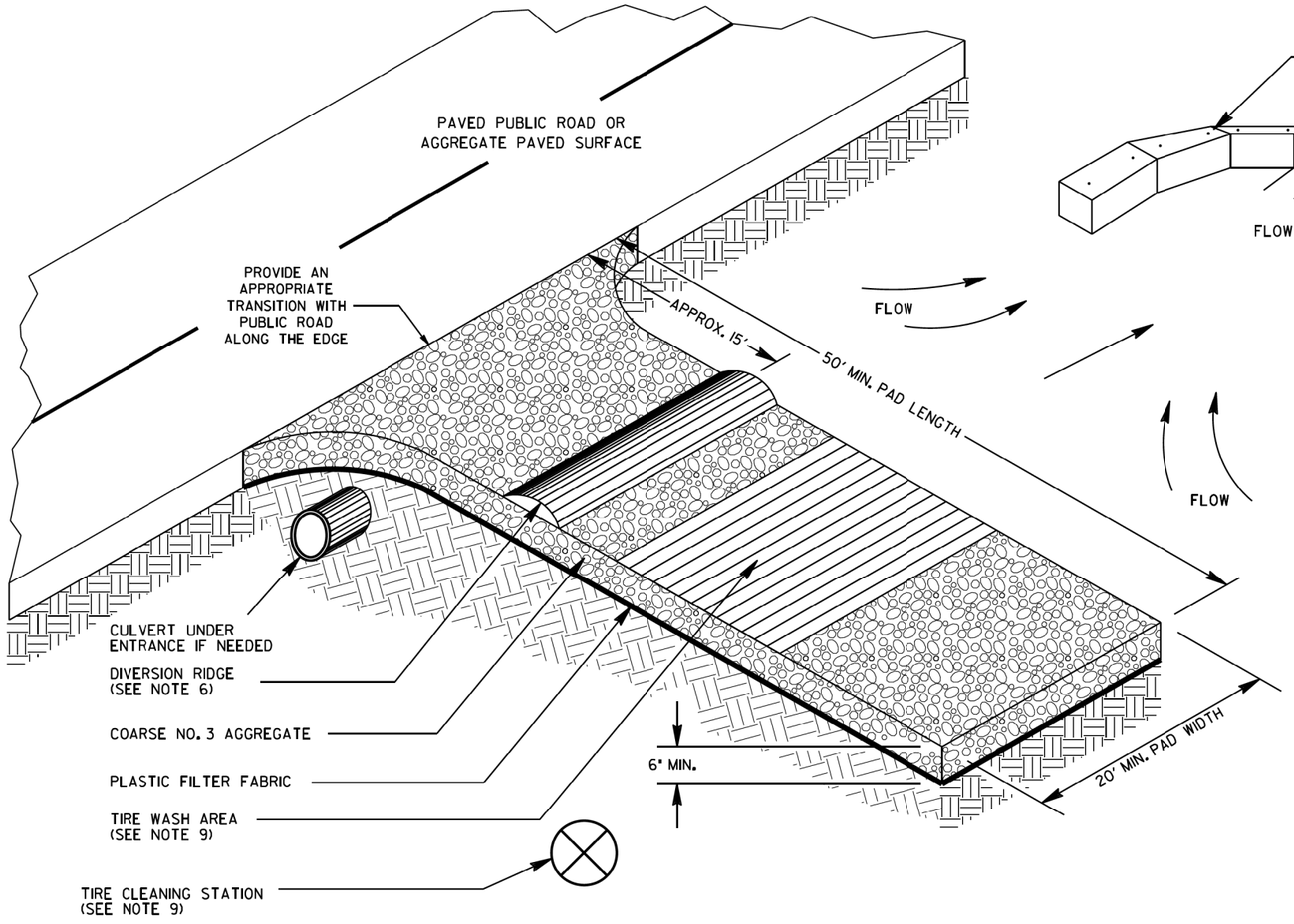
NO SCALE — AUGUST 1988

Designed ____
Drawn K.L.J.
Traced ____
Checked ____

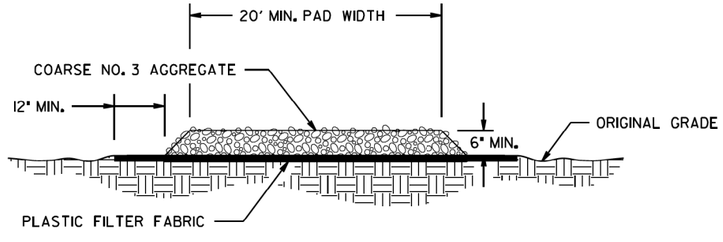
56-0004

NUMBER D-35

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	282-2033-535.72-73		



ENTRANCE ELEVATION



GENERAL NOTES:

1. AVOID LOCATING CONSTRUCTION EXITS ON STEEP SLOPES OR AT SHARP CURVES ON PUBLIC ROADS. CONSTRUCTION EXITS ARE NOT REQUIRED FOR DIRT PUBLIC ROADS.
2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA AND GRADE FOR POSITIVE DRAINAGE.
3. AGGREGATE SIZE SHALL BE COARSE NO. 3 AGGREGATE WITH 0.0% PASSING THE 1.06 INCH U.S. STANDARD SIEVE.
4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6 INCHES AND PLACED ON APPROVED PLASTIC FILTER FABRIC.
5. GRAVEL PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
6. PROVIDE A TRAVERSABLE DIVERSION RIDGE CONSTRUCTED OF AGGREGATE 6 INCHES TO 8 INCHES HIGH WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
7. INSTALL CULVERT UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
8. TIRE WASH AREA INCLUDES SEDIMENT TRAP OR OTHER ACCEPTABLE SEDIMENT STORAGE DEVICE AND SHALL BE CONSTRUCTED EVEN IF CONSTRUCTION EXIT TIRE CLEANING STATION IS NOT USED.
9. IF THE ACTION OF THE VEHICLE TRAVELING OVER THE GRAVEL PAD DOES NOT SUFFICIENTLY REMOVE THE MUD PRIOR TO ENTERING PUBLIC ROADS THUS DICTATING ADDITIONAL TIRE CLEANING MEASURES, THE CONTRACTOR SHALL ADD A CONSTRUCTION EXIT TIRE CLEANING STATION TO AN EXISTING CONSTRUCTION EXIT OR WHEN DIRECTED BY THE ENGINEER. THE CONSTRUCTION EXIT TIRE CLEANING STATION INCLUDES: WATER SOURCE, LABOR AND ALL MATERIALS NECESSARY TO PERFORM TASK. THIS WILL BE PAID FOR AS SHOWN IN SECTION 163.

   THE WASHING SHALL BE DONE ON AN AREA STABILIZED WITH AGGREGATE THAT DRAINS INTO A SEDIMENT TRAP OR OTHER ACCEPTABLE SEDIMENT STORAGE DEVICE. DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE CONSTRUCTION EXIT TO THE SEDIMENT CONTROL DEVICE. ACCEPTABLE SEDIMENT STORAGE DEVICE EXAMPLES INCLUDE TEMPORARY SEDIMENT TRAPS, HAY BALES OR STONE FILTER RING WITH THE SEDIMENT STORAGE SIZED FOR 67 CUBIC YARDS PER ACRE OF DRAINAGE. TIRE WASHING SHALL BE DONE MANUALLY OR BY EQUIPMENT SUITABLE FOR TRUCK TRAFFIC THAT REMOVES MUD AND DIRT.
10. AGGREGATE SHALL BE KEPT LOOSE OR SCARIFIED WHEN AGGREGATE BECOMES CONSOLIDATED.
11. CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR, AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT. MAINTENANCE OF CONSTRUCTION EXIT MAY BE PAID WITH OR WITHOUT THE MAINTENANCE OF CONSTRUCTION EXIT TIRE WASH AREA. WHEN DIRECTED BY THE ENGINEER. ALL MUD AND DEBRIS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES OR SITE ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.

SEE SECTION 163 FOR THE CONSTRUCTION AND REMOVAL OF CONSTRUCTION EXITS. SEE SECTION 165 FOR THE MAINTENANCE OF CONSTRUCTION EXITS.

PAY ITEM:		
163-0301	CONSTRUCT AND REMOVE CONSTRUCTION EXITS	(EA)
165-0101	MAINTENANCE OF CONSTRUCTION EXIT	(EA)
165-0310	MAINTENANCE OF CONSTRUCTION EXIT TIRE WASH AREA	(EA)
PAY ITEM:	**FOR FIELD USE ONLY ACCORDING TO SECTION 163**	
163-0310	CONSTRUCTION EXIT TIRE CLEANING STATION	(DAY)

BY	REVISION	DATE
HAC	REV GEN NOTES • 8-11	11-04-20
DLE	REV PAY ITEM DESCS/REFS	04-18-18
DLE	REV. TIRE WASH & NOTES	04-22-16
DLE	REV. GSWCC 2016 MANUAL	01-19-11
TPC	REV. CONSTR. EXIT LABELS	

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS

CONSTRUCTION EXIT

NO SCALE

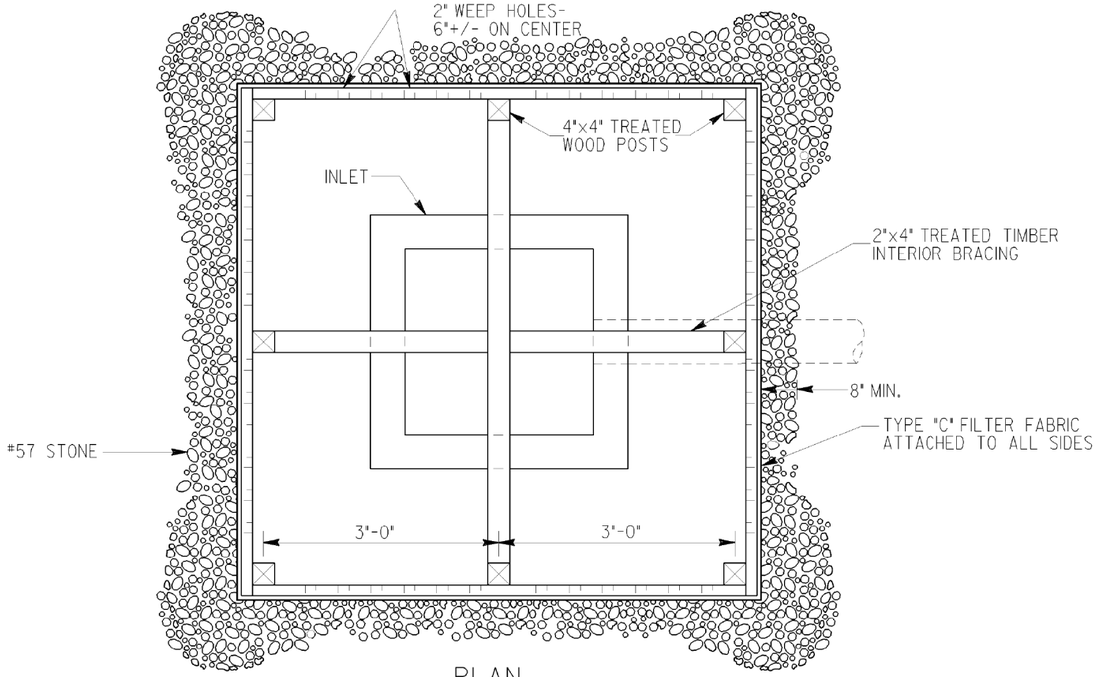
FEBRUARY 2001

DESIGNED ____
DRAWN DLE
TRACED ____
CHECKED ____

56-0005

NUMBER D-41

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	282-2033-535.72-73		

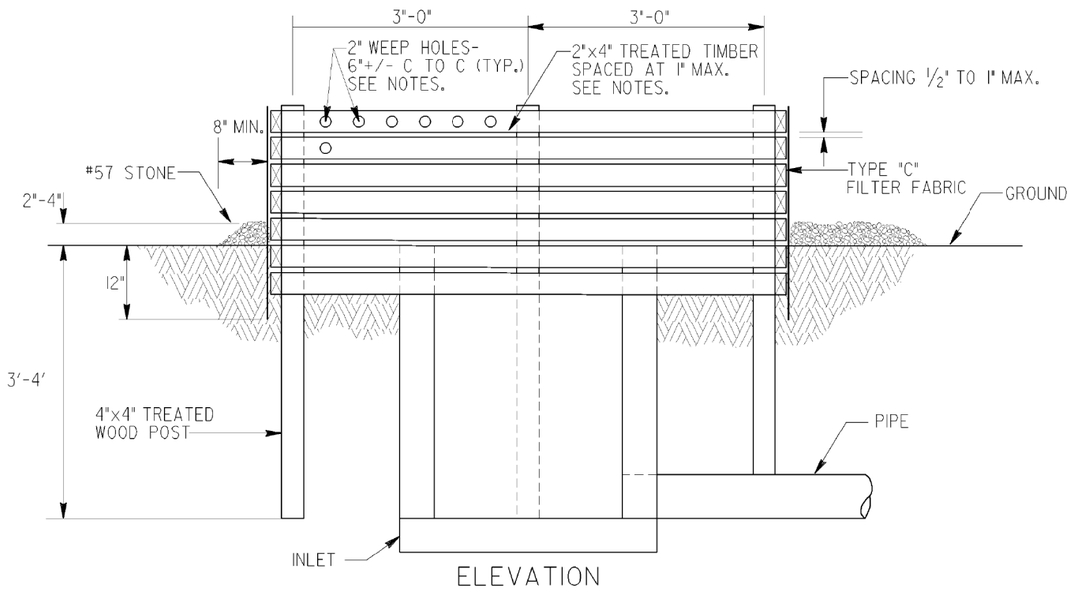


PLAN

NOTES:

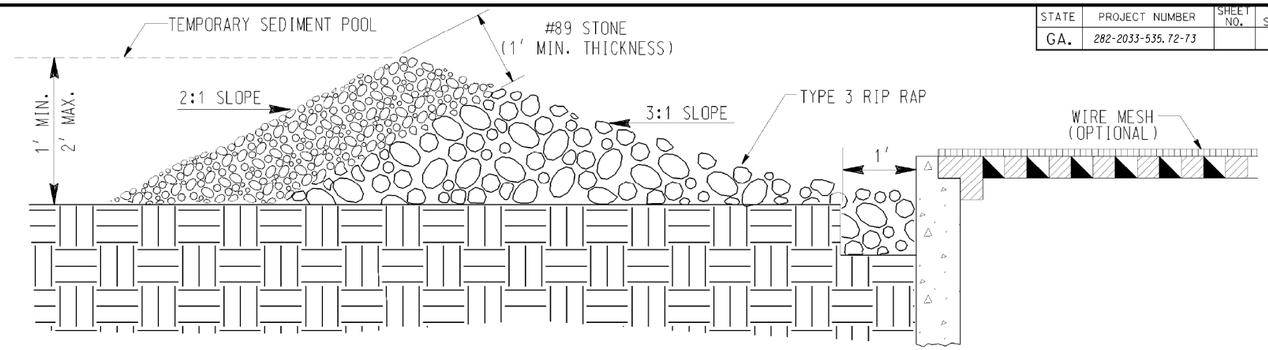
BAFFLE BOX SHALL BE CONSTRUCTED OF 2"x4" TREATED TIMBER SPACED A MAXIMUM OF 1" APART OR OF PLYWOOD WITH WEEP HOLES 2" IN DIAMETER PLACED APPROXIMATELY 6" ON CENTER VERTICALLY AND HORIZONTALLY.

GRAVEL SHALL BE PLACED OUTSIDE THE BOX, ALL AROUND THE INLET, TO A DEPTH OF 2 TO 4 INCHES. THE ENTIRE BOX SHALL BE WRAPPED IN TYPE "C" FILTER FABRIC THAT SHALL BE ENTRENCHED 12 INCHES AND BACKFILLED.

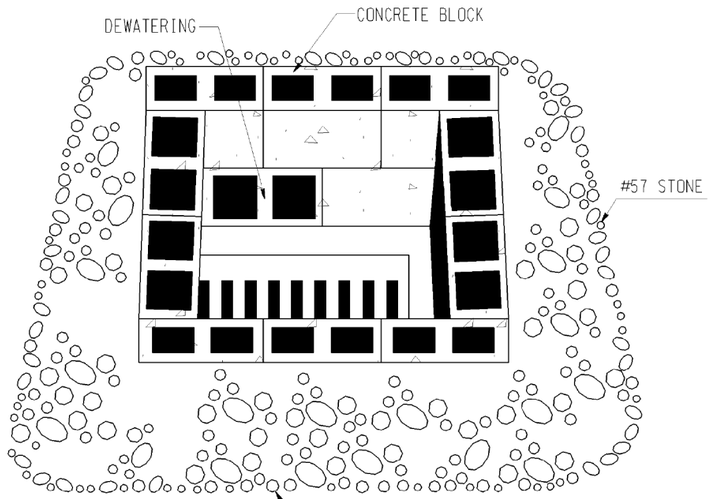


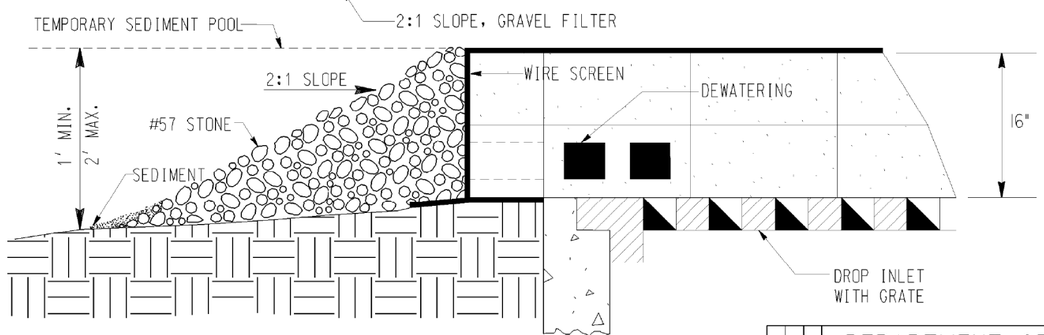
ELEVATION

BAFFLE BOX (Sd2-B)



GRAVEL DROP INLET PROTECTION (GRAVEL DONUT) Sd2-G





BLOCK & GRAVEL DROP INLET PROTECTION (Sd2-Bg)

BASIS OF PAYMENT:
CONSTRUCT AND REMOVE INLET SEDIMENT TRAP _____ EACH

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAIL
INLET SEDIMENT TRAPS
BAFFLE BOX Sd2-B
BLOCK AND GRAVEL DROP INLET PROTECTION Sd2-Bg
GRAVEL DROP INLET PROTECTION Sd2-G

NO SCALE — MAY 2008

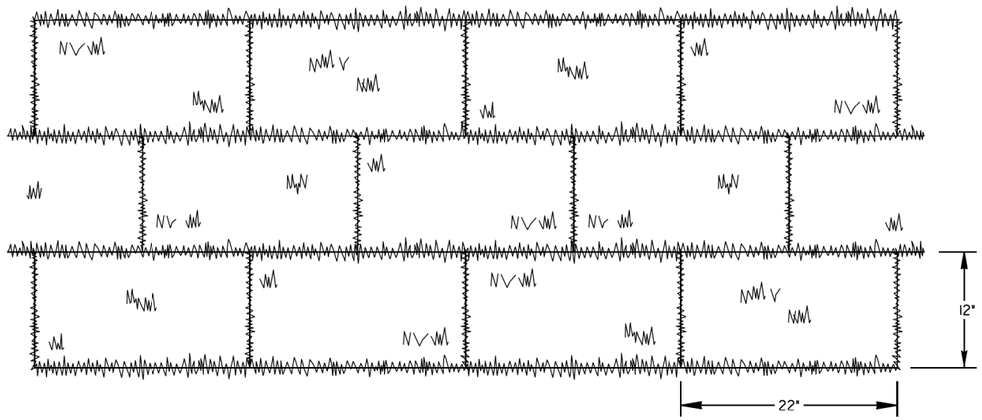
DATE | REVISION | BY

56-0006

NUMBER D-42

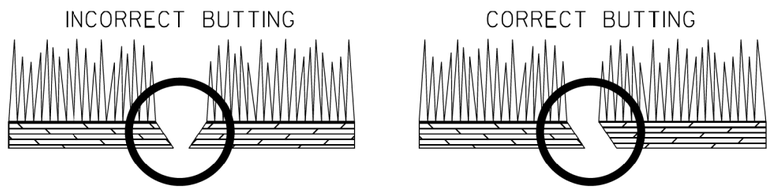
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	282-2033-535.72-73		

SOD LAYOUT

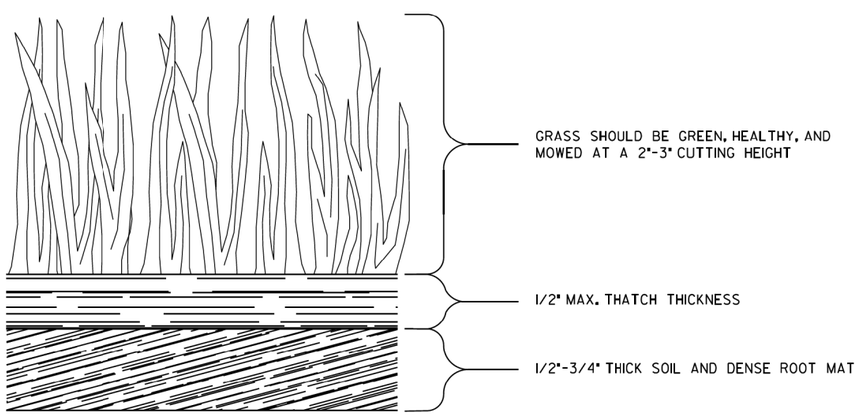


NOTE: SOD MAY BE EITHER 12" WIDE BY 22" LONG BLOCKS OR 21" WIDE BY 52' LONG ROLLS.

ABUTTING SOD



SOD APPEARANCE



GENERAL NOTES:

1. SOD SHALL MEET SECTIONS 700 AND 890 OF THE STANDARD SPECIFICATIONS AND SUPPLEMENTS THERETO. SOD SHALL BE CUT INTO 12"Wx22"L BLOCKS OR 21"Wx52'L ROLLS.
2. PLACE SOD IN A STAGGERED PATTERN ENSURING FIRM CONTACT WITH THE SOIL. BUTT THE STRIPS TIGHTLY AGAINST EACH OTHER WITH THE AUTOMATIC SOD CUTTER ANGLES CORRECTLY MATCHED WITHOUT SPACES OR OVERLAP.
3. PLACE THE LONG SIDE OF SOD PERPENDICULAR TO DRAINAGE FLOW IF INSTALLED IN DITCHES.
4. STAKE SOD PLACED IN DITCHES OR SLOPES STEEPER THAN 2:1 OR ANY OTHER AREAS WHERE SOD SLIPPING MAY OCCUR. USE WOOD STAKES THAT ARE A MINIMUM OF 8" LONG AND A MAXIMUM OF 1" WIDE. DRIVE STAKES FLUSH WITH THE TOP OF SOD AND USE A MINIMUM OF 8 STAKES PER SQUARE YARD TO HOLD SOD IN PLACE.
5. ROLL SOD IMMEDIATELY TO ACHIEVE FIRM CONTACT WITH THE SOIL.
6. WATER THE SOD IMMEDIATELY AFTER INSTALLATION AND WATER TO A DEPTH OF 4" AS NEEDED.
7. MOW ESTABLISHED SOD TO A HEIGHT NOT LESS THAN 2"-3" AS NECESSARY.

PAY ITEM:
700-9300 SOD (SY)

DATE
REVISION
BY

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS

SOD INSTALLATION

NO SCALE 4-22-2016

DESIGNED ____
DRAWN DLE
TRACED ____
CHECKED ____

56-0007

NUMBER
D-54